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your trusted partner in the world of petrochemical manufacturing and supply.

We specialize in delivering high-quality products tailored to meet your specific needs.

ABOUT US

At Peak Universal Group, we pride ourselves on being a leading supplier of high-quality industrial materials and solutions. With a steadfast commitment to excellence, innovation, and customer satisfaction, we cater to diverse industries across the globe.

Our vision is to be a pioneer in the Petroleum Industry by Revolutionizing the sourcing and procurement process. We move towards this by constantly Innovating and Creating a system and routine that Simplifies the Sourcing process and Reduces costs.

At Peak Universal Group, our mission is to provide reliable, high-quality petroleum products and supply services that help our clients sustain their businesses.
We are dedicated to helping sourcing and procurement managers and other professionals involved in the purchasing process do their jobs more easily and efficiently.

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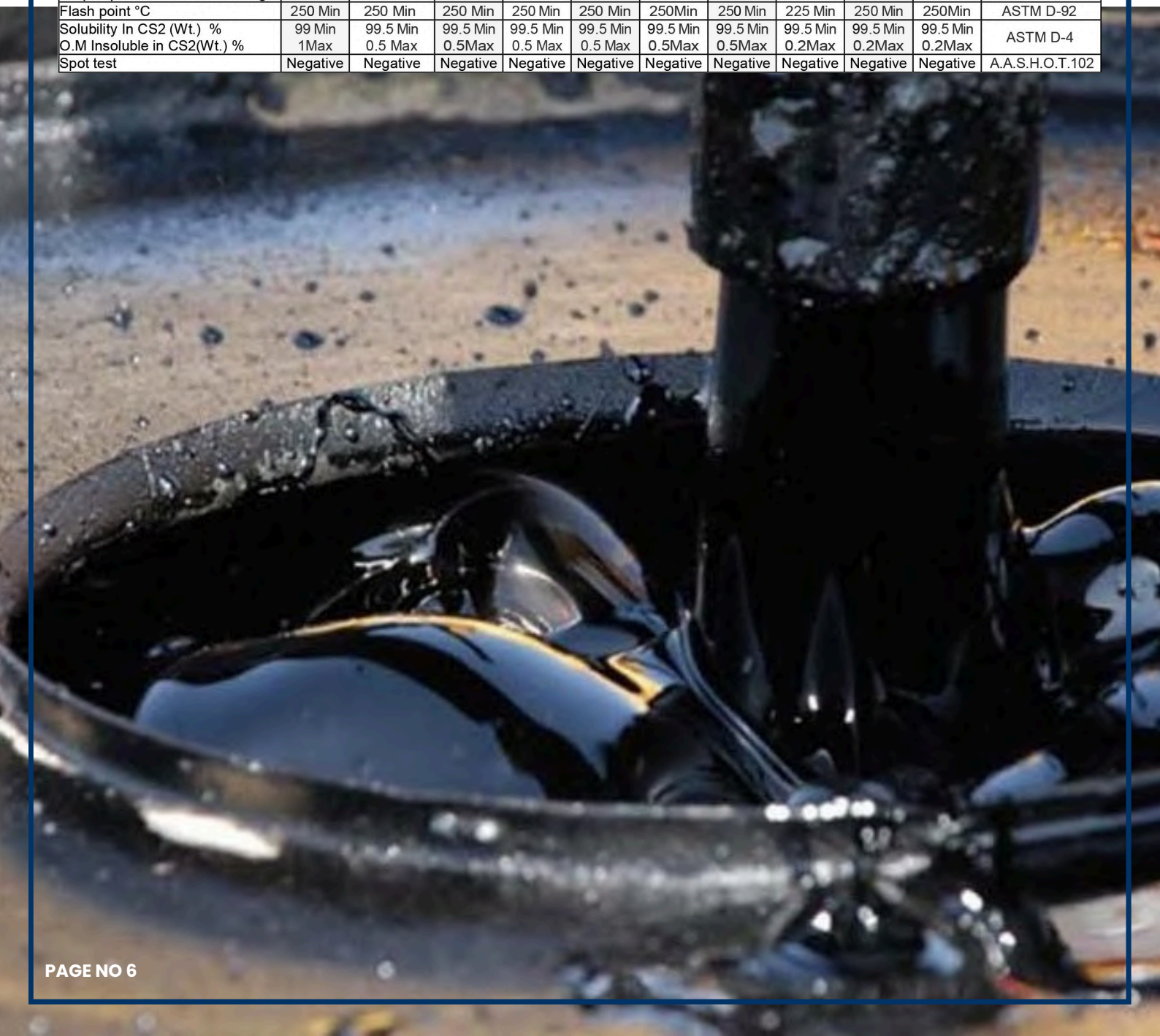
PENETRATION BITUMEN

Penetration Bitumen, also known as Paving Grade Bitumen, is a specially formulated Asphalt Binder crucial for Constructing Durable and High-Performance Roads and Pavements. It is derived from Crude Oil through a Refining process that yields a Semi-Solid product with excellent Adhesion, Cohesion, and Resistance to deformation under varying Temperatures and Traffic Loads. Penetration Bitumen is categorized based on its Penetration Value, which indicates the hardness or softness of the material and its suitability for different Climatic conditions and Traffic Intensities.

Packaging Options, are available for this products as Drums, Jumbo Bags & Bulk.

Specifications	Grades										Test Method
	10/20	30/40	35/50	40/50	40/60	60/70	60/90	80/100	100/150	160/220	
Specific gravity @25/25 °C	1.01-1.06	1.01-1.06	1.01-1.06	1.01-1.06	1.01-1.06	1.01-1.06	1.01-1.06	1.01-1.06	1.01-1.06	1.01-1.06	ASTM D-70
Penetration @25 °C	10-20	30-40	35-50	40-50	40-60	60-70	60-90	80-100	100-150	160-220	ASTM D-5
Softening point °C	65-75	55-63	50-58	52-60	48-56	49/56	45/56	45-52	39-47	35-43	ASTM D-36
Ductility @25 °C	100 Min	100 Min	100 Min	100 Min	100 Min	100 Min	100 Min	100 Min	100 Min	100 Min	ASTM D-113
Loss on heating (wt.) %	0.5Max	0.2Max	0.2Max	0.2 Max	0.2 Max	0.2Max	0.2Max	0.2Max	0.2Max	0.2Max	ASTM D-6
Drop in penetration after heating%	20 Max	20Max	20Max	20Max	20Max	20Max	20Max	20Max	20Max	20Max	ASTM D-6 & D5
Flash point °C	250 Min	250 Min	250 Min	250 Min	250 Min	250Min	250 Min	225 Min	250 Min	250Min	ASTM D-92
Solubility In CS2 (Wt.) % O.M Insoluble in CS2(Wt.) %	99 Min 1Max	99.5 Min 0.5 Max	99.5 Min 0.5Max	99.5 Min 0.5 Max	99.5 Min 0.5 Max	99.5 Min 0.5Max	99.5 Min 0.5Max	99.5 Min 0.2Max	99.5 Min 0.2Max	99.5 Min 0.2Max	ASTM D-4
Spot test	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	Negative	A.A.S.H.O.T.102



OXIDIZED BITUMEN

Oxidized Bitumen, also known as Blown Bitumen & Blown Asphalt, is a specially processed form of Bitumen derived from Crude Oil. Through controlled Oxidation, Bitumen undergoes a Transformation where Air is Blown through it at elevated Temperatures, Resulting in enhanced Physical properties suitable for various Industrial Applications. This process increases the Viscosity and Softening Point of Bitumen, making it more Durable and Resistant to Temperature variations.

Packaging Options, are available for this product as 25 Kg Bags, Boxes, Drums & Bulk.

Uses:

- Road Construction and Maintenance
- Roofing and Waterproofing Industry
- Insulation Manufacturing Industry
- Industrial Mastics, Sealants & Adhesives
- Electrical Insulation Materials
- Automotive Industry & More

Specifications	Grades													Test Method
	75-25	75-30	85-25	85-30	85-40	90-10	90-15	90-40	95-25	105-15	105-35	115-15	150-5	
Specific Gravity @25° C	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	ASTM D-70
Penetration @25° C	20-30	25-35	20-30	25-35	35-45	5-15	10-20	35-45	20-30	10-20	30-40	10-20	00-10	D-5
Softening Point° C	70-80	70-80	80-90	80-90	80-90	85-95	85-95	85-95	90-100	100-110	100-110	110-120	145-155	D-36
Ductility @25° C	1.5min	1.5min	1.5min	1.5min	1.5min	1.5min	1.5min	1.5min	1.5min	1.5min	1.5min	1.5min	1.5min	D-113
Loss in Heating (Wt.) %	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	D-6
Flash Point °C	250	250	250	250	250	250	250	250	250	250	250	250	250	D-92
Solubility in CS2 (Wt.) %	99	99	99	99	99	99	99	99	99	99	99	99	99	D-4

VISCOSITY BITUMEN

Viscosity Bitumen, also known as paving bitumen or asphalt binder, is a type of bitumen specifically designed to provide optimal performance in road construction and maintenance. It is classified based on its viscosity, which indicates the bitumen's resistance to flow. This characteristic makes viscosity bitumen particularly suitable for various climatic conditions and traffic loads, ensuring durable and long-lasting pavements.

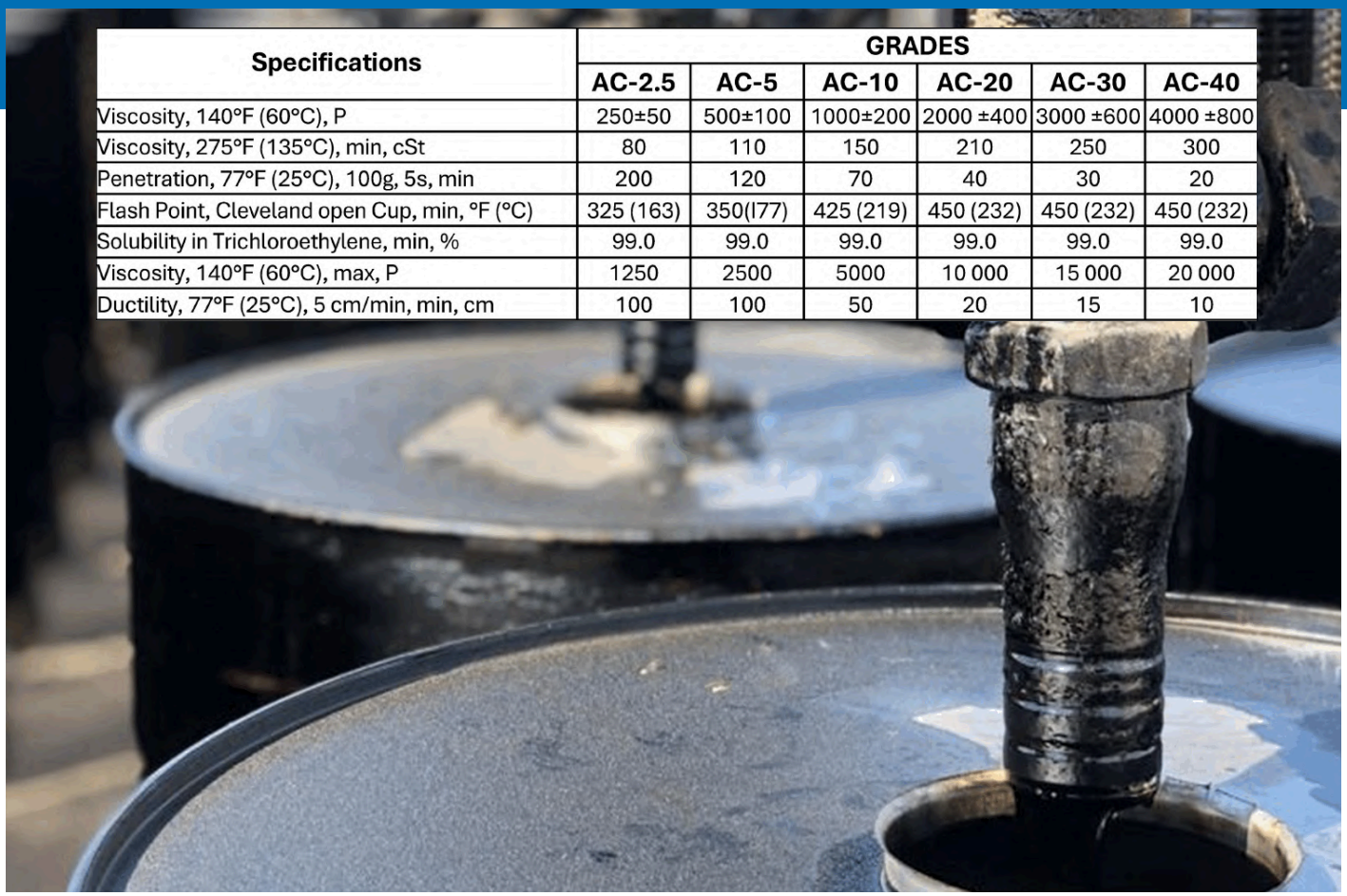
Packaging Options, are available for this product as Steel Drums, Jumbo Bags & Bulk.

Uses:

- Road Construction
- Roofing Industry
- Bitumen Emulsions
- Asphalt Emulsion Manufacturing & More
- Modified Asphalt Manufacturing
- Bituminous Coatings and Sealants
- Pavement Maintenance

Specifications	Grades				Test Method
	VG10	VG20	VG30	VG40	
Penetration@25°C	80	60	45	35	IS203
Absolute Viscosity@60C, Poises	800-1200	1600-2400	2400-3600	3200-4800	IS1206
Kinematic Viscosity@135°C	250	300	350	400	IS1206
Flash Point °C	220	220	220	220	I81448
Solubility in CS2 (Wt.) %	99.0	99.0	99.0	99.0	IS1216
Softening Point	40	45	47	50	IS1205
Viscosity ratio @60 °C	4	4	4	4	IS1206
Ductility@25 °C	75	50	40	25	IS1208

Specifications	GRADES					
	AC-2.5	AC-5	AC-10	AC-20	AC-30	AC-40
Viscosity, 140°F (60°C), P	250±50	500±100	1000±200	2000 ±400	3000 ±600	4000 ±800
Viscosity, 275°F (135°C), min, cSt	80	110	150	210	250	300
Penetration, 77°F (25°C), 100g, 5s, min	200	120	70	40	30	20
Flash Point, Cleveland open Cup, min, °F (°C)	325 (163)	350(I77)	425 (219)	450 (232)	450 (232)	450 (232)
Solubility in Trichloroethylene, min, %	99.0	99.0	99.0	99.0	99.0	99.0
Viscosity, 140°F (60°C), max, P	1250	2500	5000	10 000	15 000	20 000
Ductility, 77°F (25°C), 5 cm/min, min, cm	100	100	50	20	15	10



CUTBACK BITUMEN (MEDIUM CURING GRADE)

Cutback Bitumen (MC Grade) is a specialized form of Bitumen that is Temporarily Liquefied by the Addition of a Solvent, making it easier to work with at Lower Temperatures compared to Standard Bitumen. This characteristic enhances its Application in Road Construction and Maintenance, particularly in the Priming and Tack Coating of Surfaces. The Medium Curing Grade, which indicates the rate at which the Solvent evaporates, and the Bitumen reverts to its Original, Viscous State.

Cutback bitumen comes in various Grades, including MC-30, MC-70, MC-250, MC-800, and MC-3000. These grades are distinguished by their Viscosity and the Rate of Solvent Evaporation, which directly impacts their specific Applications and Performance characteristics.

Packaging Options, are available for this product as Steel Drums & Bulk.

Specifications	Grades				
	MC-30	MC-70	MC-250	MC-800	MC-3000
Kinematic Viscosity at 60°C mm2/s	30-60	70-140	250-500	800-1600	3000-6000
Flash Point (Tag Open-Cup) °C	Min 38	Min 38	Min 66	Min 66	Min 66
Test on Distillate, Volume Percent of Total Distillate to 360°C					
To 225°C	Max35	Max25	Max20	-	-
To 260°C	30-75	10-70	5-55	Max 40	Max 15
To 316°C	75-95	65-93	60-90	45-85	15-75
Residue from Distillation to 360° C Percent Volume by Difference	Min 55	Min 55	Min 67	Min 75	Min 80
Tests on Residue from Distillation					
Viscosity at 60 °C	30-120	30-120	30-120	30-120	30-120
Penetration at 25 °C	120-300	120-300	120-300	120-250	120-250
Ductility at 25 °C	Min100	Min100	Min100	Min100	Min100
Solubility in Trichloroethylene (%)	Min99	Min99	Min99	Min99	Min99
Water (%)	Max0.2	Max0.2	Max0.2	Max0.2	Max0.2

CUTBACK BITUMEN (SC GRADE)

Cutback bitumen (SC Grade), is a form of bitumen that has been diluted with a solvent to make it more workable at lower temperatures. The Slow Curing, indicates that the solvent used Evaporates Slowly, resulting in a Gradual Increase in Viscosity over time.
Slow Curing Grade Bitumen comes in various types, including SC-70, SC-250, SC-800, and SC-3000. These types are categorized based on their viscosity and the rate at which they cure, each serving different purposes in Road Construction and Maintenance.

Packaging Options, are available for this product as Steel Drums & Bulk.

Specifications	Grades			
	SC-70	SC-250	SC-800	SC-3000
Kinematic Viscosity at 60°C mm2/s	70-140	250-500	800-1600	3000-6000
Flash Point (Cleveland Open-Cup) °C	Min66	Min79	Min93	Min107
Distillate Test				
Total Distillate to 360°C (%)	10-30	4-20	2-12	Max5
Solubility in Trichloroethylene (%)	99.0	99.0	99.0	99.0
Kinematic Viscosity on Distillation Residue at 60°C, mm2/s	400-7000	800-10000	2000-16000	4000-35000
Asphalt Residue				
Residue of 100 Penetration (%)	50	60	70	80
Ductility of 100 Penetration Residue at 25° C cm	100	100	100	100
Water (%)	Max0.5	Max0.5	Max0.5	Max0.5

EMULSION BITUMEN

Emulsified Bitumen, usually consists of Bitumen droplets suspended in water.
This dispersion under normal circumstances would not take place, also everyone knows, oil and water don't mix, but if an emulsifying agent added to water asphalt will remain dispersed. Most emulsions used for surface treatments. That's enable using lower temperatures (45°C-70°C). This is much lower than 150-190°C used for hot mix asphalt cements. The lower application temperatures will not damage asphalt and are much safer for field personnel.
In bitumen emulsion production, water treated with emulsifying agent and other chemicals. It is pumped to colloid mill along with Bitumen. The colloid mill breaks bitumen up to tiny droplets. Emulsifying agent migrates to asphalt-water interface and keeps droplets from coalescing. Emulsion then pumped to storage tank.

Packaging Options, are available for this product as Steel Drums & Bulk.

Specifications	Grade		Test Method
	CRS-1	CRS-2	
Viscosity, Saybolt Furol at 50°C, SFS	20-100	100-400	ASTM D7496
Storage Stability Test, 24-h, %	Max 1	Max 1	ASTM D6930
Demulsibility, 35 ml, 0.8% dactyl Sodium Sulfosuccinate %	Min 40	Min 40	ASTM D6936
Particle change Test	Positive	Positive	ASTM D7402
Sieve Test. %	Max 0.1	Max 0.1	ASTM D6933
Oil Distillate, by Volume of Emulsion, %	Max 3	Max 3	ASTM D6997
Residue, %	Min 60	Min 65	ASTM D6997
Penetration, 25 °C, 100g,5s	100-250	100-250	ASTM D5
Ductility, 25 °C, 5cm/min, cm	Min 40	Min 40	ASTM S113
Solubility in Trichloroethylene, %	Min 97.5	Min 97.5	ASTM D2042

Emulsion Bitumen (Medium Setting)

Specifications	Grades		Test Method
	CMS-2	CMS-2h	
Viscosity, SayBolt Furol at 50° C, SFS	50-450	50-450	ASTM D7496
Storage Stability Test. 24-h, %	Max 1	Max 1	ASTM D6930
Coating Ability & Water Resistance			
Coating, dry aggregate	Good	Good	ASTM D244
Coating, after spraying	Fair	Fair	ASTM D244
Coating, wet aggregate	Fair	Fair	ASTM D244
Coating, after spraying	Fair	Fair	ASTM D244
Particle charge Test	Positive	Positive	ASTM D244
Sieve Test, %	Max 0.1	Max 0.1	ASTM D6933
Oil Distillate, by Volume of' Emulsion, %	Max 12	Max 12	ASTM D6997
Residue, %	Min 65	Min 65	ASTM D244
Penetration, 25° C,100g,5s	100-250	40-90	ASTM D5
Ductility, 25° C, 5cm/min, cm	Min 40	Min 40	ASTM S113
Solubility in Trichloroethylene, %	Min 97.5	Min 97.5	ASTM D2042

Emulsion Bitumen (Slow Setting)

Specifications	Grade		Test Method
	CSS-1	CSS-1H	
Viscosity, Saybolt Furol at 50° C, SFS	20-100	20-100	ASTM D7496
Storage Stability Test, 24-h, %	Max 1	Max 1	ASTM D6930
Particle charge Test	Positive	Positive	ASTM D7402
Sieve Test, %	Max 0.1	Max 0.1	ASTM D6935
Cement Mixing Test, %	Max 2	Max 2	ASTM D6935
Residue, %	Min 57	Min 57	ASTM D6997
Penetration, 25° C, 1OOg, 5s	100-250	40-90	ASTM D5
Ductility, 25°C, 5cm/min, cm	Min 40	Min 40	ASTM D113
Solubility in Trichloroethylene, %	Min 97.5	Min 97.5	ASTM D2042

GILSONITE

Gilsonite, a naturally occurring Solid Hydrocarbon, stands as a versatile and High-Performance Industrial material. Known for its unique properties, Gilsonite is a Pure, Non-Toxic, and naturally occurring Bitumen. It is Black, Lustrous, and Brittle, making it easily ground into a Fine Powder. This product is celebrated for its High Solubility in organic solvents and its excellent Adhesion, Resistance to Water, and Superior Binding properties, making it indispensable across various industries.

Packaging Options, are available for this product as 25 Kg Kraft Paper Bags, Jumbo Bags & Bulk.

Uses, in different Industries. Some of its important uses are mentioned Below:

- Construction sector
- Drilling Industry
- Inks and Coatings
- Foundry Industry
- Asphalt Enhancement
- Adhesives & Sealants

Specifications	Grades						Test Method ASTM
	5%	10%	10% Drilling	15%	20%	25%	
Ash	<=5	<=10	<=10	<=15	<=20	<=25	D3174
Moisture	<=1	<=1	<=1	<=1	<=1	<=1	D3173
Softening Point °C	180-200	180-200	Up to 220	180-200	180-200	180-200	D92
Specific Gravity @25°C	1.06 g/cm3	1.06 g/cm3	1.06 g/cm3	1.06 g/cm3	1.06 g/cm3	1.06 g/cm3	D190
Flash Point °C	290-310	290-310	310-320	290-310	290-310	290-310	D445
Solubility in CS2 (Wt.) %	Up to 85	Up to 80	Up to 80	Up to 75	Up to 70	Up to 70	D2042
Color	Black	Black	Black	Black	Black	Black	D1500

PERFORMANCE GRADE BITUMEN

Performance Bitumen, also Referred to as Modified Bitumen, represents a specialized Asphalt Binder engineered to meet demanding requirements in Infrastructure Projects, particularly where enhanced Durability, Flexibility, and Resistance to aging are crucial. This advanced form of Bitumen is formulated by blending Bitumen with Polymer additives, Crumb Rubber, or other Modifiers to improve its physical properties and Performance characteristics.

Performance Bitumen is used in the Production of **Polymer Modified Bitumen (PMB)**, which exhibits superior Properties such as increased Elasticity, improved Deformation Resistance, and enhanced fatigue Performance compared to conventional Bitumen. PMB is particularly effective in Mitigating Rutting and Cracking under Heavy Traffic Loads and Extreme weather conditions, thereby Extending the Lifespan of Roads and Reducing maintenance costs.
Performance Bitumen is also utilized in the manufacturing of Bitumen Emulsions and Polymer-Modified Emulsions used for surface treatments and Pavement preservation.

Packaging Options, are available for this product as Steel Drums, Jumbo Bags & Bulk.

Specifications	Grades			Test Method
	58/22	64/22	76/22	
Specific Gravity @25°C	1.01-1.06	1.01-1.06	1.01-1.06	D-70
Penetration @25 °C	20-25	20-25	20-25	D-5
Softening Point °C	50-60	60-70	70-80	D-36
Ductility @25 °C	1.5Min	1.5Min	1.5 Min	D-113
Loss On Heating (Wt.) %	0.2 Max	0.2 Max	0.2 Max	D-6
Flash Point °C	250 Min	250 Min	250Min	D-92
Solubility In CS2 (Wt.) % O.M. Insoluble in CS2 (Wt.) %	99Min 1 Max	99Min 1 Max	99Min 1 Max	D-4

BASE OIL

Base oils are essential components in the formulation of Lubricants, providing foundational properties that enable these products to perform Effectively under various conditions.

Packaging Options, are available for this product as Drums & Flexi Bags.
For Larger Quantities, Bulk & shipping can also be Provided.

Base Oil SN 150 is a Light Neutral Oil widely used as a Base Stock in various Lubricants. Its excellent Oxidation stability and Low Viscosity Index make it suitable for Blending with Other components to create Diverse Formulations.

Base Oil SN 500 is a Medium Viscosity Oil that serves as a versatile Base Stock for many Lubricant applications. Its balanced properties make it a preferred choice for blending with additives to achieve desired Performance Characteristics in Finished Lubricants.

Base Oil 650 is a High Viscosity Oil ideal for applications requiring Thicker Lubricants. It provides excellent Protection and Performance under Extreme Pressure and High-Temperature conditions.

Specifications	Grades			Test Method
	SN150	SN5OO	SN650	
Appearance	Bright/Clear	Bright/Clear	Bright/Clear	Sight/Melt
Viscosity@ 100 °C	5.4-7	9.5-11.2	12.1-14	D 445
Flash Point °C	208	240	250	D 92
Viscosity Index	95 Min	87 Min	85 Min	D 2270
Pour Point °C	-12	-6	-6	D 97
Color	1.5	2.5	3	D 1500

RUBBER PROCESS OIL

Rubber Process Oil, is a critical Raw Material used extensively in the Rubber Industry to enhance the Processing and Performance characteristics of Rubber Compounds. Derived from Refined Petroleum, Rubber Process Oils are classified based on their chemical composition into three main types: Aromatic, Naphthenic, and Paraffinic. Each type offers distinct Properties tailored to specific applications and Requirements in Rubber Manufacturing.

Packaging Options, are available for this product as Steel Drums, Flexi Bags & Bulk.

uses:

- Tire and Automotive Industry
- Industrial Rubber Products
- Production of Footwear
- Rubber Insulation Materials
- Electrical Insulation Products
- Moulds and Extruded Rubber Goods
- Rubber Polymers
- Industrial Lubricants and Greases & More

Specifications	Grades						Test Method
	113	135	145	155	Light	Heavy	
Kinematic Viscosity @100"C	12-17	30-40	40-50	50-60	1.05	35	D7042
Flash Point	-	230	240	240	200-230	200-230	D92
Aniline Point	104-120	Max45	Max45	Max33	-	-	D611
Pour Point	-	Max36	Max27	Max36	-	-	D97
Density @ 15.6 °C (g/cm3)	0.88-099	1.01	1.02	1.03	1.01	1.05	D4052
Viscosity	-	0.96	0.97	0.99	-	-	D2501

NORMAL PARAFFIN

Normal Paraffin, also known as N-Paraffin or Linear Paraffin, is a Straight-Chain Hydrocarbon derived from Crude Oil through a Refining process that separates it from other Hydrocarbons. It is a Clear, Odorless Liquid that is Predominantly composed of Saturated Hydrocarbons with Carbon Chain lengths typically Ranging from C10 to C13. Normal Paraffin is valued for its Purity, Stability, and Versatility, making it an Essential Ingredient in various Industrial and Commercial Applications.

Packaging Options, are available for this product as Steel Drums, Flexi Tanks, ISO Tanks & Bulk.

uses:

- Personal Care Items Manufacturers & More
- Production of Synthetic Fatty Acids and Alcohols
- Coatings, Paints, and Printing Inks Mould Releasing Agents
- Textile Industry
- Petrochemical Industry
- Detergent Manufacturing Industry

Properties	Test Method	Specifications	Typical Value
Density at 15.6°C, gr/cm3	ASTM D-4052-96	0.7490-0.7530	0.7506
Saybolt Color	ASTM D-156-00	+29 Min	>+30
Bromine-Index, mg Br/100gr of Sample	ASTM D-1492-87	20 Max	7
Carbon Distribution, wt.% Normalized =<C9 C10-C13 C14	UOP 915-92	- 0.2 Max 99 Min 0.7 Max	- - 99.65 0.35
Average Molecular Weight	UOP 915-92	163-169	166.3
Moisture, ppm	UOP 481-91	100 Max	15
Total Normal Paraffin, wt.%	UOP 915-92	98 Min	99.11
Sulfur, ppm	UOP 727-72	2 Max	<1
Chloride, ppm	UOP 395-90	1 Max	0.1
Aromatics, wt.%	UOP 495-00	0.5 Max	0.4
Peroxide Number	ASTM E-299-97	2 Max	0.1
Nitrogen, ppm	ASTM D-6366-99	1 Max	< 0.5

PARAFFIN WAX

Paraffin Wax, a versatile and widely used Petroleum-derived product, stands out for its exceptional properties that find application across various Industries.
It is a Colourless or White, Odorless solid wax composed primarily of Saturated Hydrocarbons with Carbon Chain Lengths typically ranging from C20 to C40.
Paraffin wax is renowned for its Low Melting Point, Crystalline Structure, and excellent Chemical Stability, making it suitable for Diverse Industrial, Commercial, and Consumer Applications.

Packaging Options, are available for this product as 5 Kg slabs packed into Boxes & Bulk.

Uses:

- Candle-Making Industry
- Food Industry
- Wax Sculptures
- Pharmaceutical Industry
- Cosmetics and Personal care sector
- Art Supplies and Educational Materials & More

Specifications	Test Unit	Result	Test Method
MELTING POJNT	°C	58-60	ASTM D127
OIL CONTENT	%	About 0.75	ASTM D721
NEEDLE PENETRATION@25° C	°C	Approx. 10-12	ASTM D1321
KINEMATIC VISCOSITY 25° C	°C	Approx. 4-5	ASTM D445
SPECIFIC GRAVITY@25° C	°C	0.8-0.81g/cm3	ASTM D190
FLASHPOINT	°C	>250	ASTM D92
COLOR	White Transparent		ASTM D1500

SEMI REFIND PARAFFIN WAX

Specifications		Grades				Test Method
		1-2%	1-3%	3-5%	5-7%	
Melting Point °C	LIGHT	56-58	56-58	56-58	56-58	D 127
	MEDIUM	58-60	58-60	58-60	58-60	
	HEAVY	60-68	60-68	60-68	60-68	
Oil Content % Wt.		1-2	1-3	3-5	5-7	D 721
Penetration @25 °C	LIGHT	10-12	10-12	10-12	10-12	D 1321
	MEDIUM	12-14	12-14	12-14	12-14	
	HEAVY	14-16	14-16	14-16	14-16	
Kinematic Viscosity 100 °C/CST	LIGHT	3-4	3-4	3-4	3-4	D 445
	MEDIUM	4-5	4-5	4-5	4-5	
	HEAVY	5-6	5-6	5-6	5-6	
Flash Point °C	LIGHT	>220	>220	>220	>220	D 92
	MEDIUM	>250	>250	>250	>250	
	HEAVY	>300	>300	>300	>300	
Color	LIGHT	White-T	White-T	White-T	White-T	D 1500
	MEDIUM	W-Snowish	W-Snowish	W-Snowish	W-Snowish	
	HEAVY	W-Yellowish	W-Yellowish	W-Yellowish	W-Yellowish	

EMULSION PARAFFIN

Paraffin Emulsion, is a stable aqueous suspension of finely dispersed Paraffin Wax particles, typically used for various Industrial and Commercial Applications.
This Emulsion is formulated by blending Paraffin Wax with water and Emulsifying agents to create a Homogeneous mixture that offers unique properties Beneficial across different sectors.
In the Agricultural Industry, Paraffin Emulsion serves as a versatile crop protection agent. It is applied to plants to form a Protective Coating that shields them from Adverse Weather conditions such as Frost and Dehydration. This protective barrier helps maintain Optimal Moisture Levels within Plant Tissues, thereby promoting Growth and reducing Stress during Periods of Environmental Extremes

Packaging Options, are available for this product as Steel Drums, Flexi Bags, ISO Tanks & Bulk.

Uses:

- Textile Industry
- Paper and Packaging Industry
- Cosmetics and Personal Care sector
- Adhesives and Coatings
- Construction Industry & More

Specifications	Results
Appearance	Liquid of Milky-White Color
Solid Content, %	60±2
Acidity, pH	8.5 – 9.5
Apparent Viscosity, sec	10-30
Density at 20°C, g/cm3	0.93 - 0.95
Paraffin Particles Size, micron	5
Type	Anionic, and Nonionic Emulsion
Solubility in Water	Without Limits
Stability While Pumping	Good
Using Conditions	At Normal Temperature
Storage Conditions	From +5°C Up To +40°C
Storage Duration	Not Less Than 6 Months

LIQUID PARAFFIN

Liquid Paraffin, also known as Mineral Oil, is a Highly Refined and versatile Petroleum-derived product used across various Industries for its exceptional properties and Wide-Ranging Applications. This Clear, Odorless, and Tasteless oil is celebrated for its Purity, Stability, and Inert Nature, making it an ideal ingredient in numerous Commercial and Industrial Formulations.

Packaging Options, are available for this product as Drums & Bulk.

uses:

- Pharmaceutical and Medical
- Cosmetics and Personal Care Industry
- Industrial Applications
- Food Industry
- Agriculture Industry & More

Specifications	Grades		Test Method
	INDUSTRIAL	COSMETIC	
Flash Point °C	Min 200	Min 195	D92
Density at 20°C	0.83-0.85 gr/cm3	0.8-0.85 gr/cm3	D 1298
Odor	Passed	Passed	-
Kinematic Viscosity 40°C/ CST	18-20	16-25	D 445
Acidity or Alkalinity	Passed	Passed	-
Pour Point °C	-3	-3	D 97
Color	0.1 - 0.5Y	0.1Y	IP 17

MICROCRYSTALLINE WAX

Microcrystalline Wax, a Highly Refined and versatile material derived from Petroleum, is valued for its Unique properties and diverse applications across numerous Industries. This Wax is characterized by its fine Crystalline structure, which imparts Superior Flexibility, Adhesiveness, and Opacity compared to other Types of Waxes. Its color Ranges from White to Yellow, and it is available in Both Solid and Semi-solid forms, making it suitable for various uses.

Packaging Options, are available for this product as 5 Kg Slabs packed into Carton, 25 Kg Carton & Bulk.

Uses:

- Cosmetics Industry
- Personal Care Industry
- Pharmaceutical Industry
- Food Industry
- Candles Manufacturing Industry
- Textile Industry
- Plastic Industry & More

Specifications	Grades			Test Method
	PM Wax	Cosmetic	Sasol Wax	
Congealing Point °C	69	55-66	-	D 938
Oil Content % Wt.	15	-	0.00-2.00	D 721
Penetration@25 °c	68	80-120	25-30	D 1321
Kinematic Viscosity 100°C/CST	17	6.2	12-16	D 445
Flash Point °C	270	>220	-	D 92
Color	2.5	Max 3.5-0.5	26-30	D 1500

PETROLEUM JELLY

Petroleum Jelly, also known as Petrolatum, is a semi-solid mixture of Hydrocarbons derived from Petroleum Refining. Renowned for its versatile and Protective Properties, Petroleum Jelly is a Smooth, Odorless, and Colorless substance that finds Extensive use in various Industrial, Commercial, and Personal Care Applications.

Packaging Options, are available for this product as Steel Drums, ISO Tank & Bulk.

Uses:

- Skincare and Cosmetics Industry
- Medical Industry
- Mechanical and Household items Industry
- Industrial Applications
- Beauty & Make up Industry & More

Specifications	Grades						Test Method
	Industrial	Cosmetic	Cosmetic A	Medical A+	Medical B+	Medical C+	
Kinematic Viscosity@ 100 °C CST	4.8-5.8	4.5-5.8	4.5-5	4.5-5.5	4.8-5.8	5.7-6.4	D 445
Congealing Point	50-58° C	49-53° C	50-54° C	50-54° C	54-58° C	57-61° C	D 938
Penetration Consistency	More than 130	More than 130	More than 130	More than 130	More than 130	More than 130	D 937
Melting Point °C	49-61	52-57	53-58	53-58	57-62	60-65	D 127
Specific Gravity @ 60 °C	0.82 – 0.84	0.82 – 0.84	0.82 – 0.84	0.82 – 0.84	0.82 – 0.84	0.82 – 0.85	USP
Flash Point °C	Min 212° C	Min 212° C	Min 212° C	Min 212° C	Min 212° C	Min 212° C	D 92
Sulphated Ash	Less than 0.05%	Less than 0.05%	Less than 0.05%	Less than 0.05%	Less than 0.05%	Less than 0.05%	BP 2010
Color	Max 3.0 Y	Max 1.5 Y	Max 1.0 Y	Max 0.5 Y	Max 0.5 Y	Max 0.5 Y	IP-17 Method A2*cell

POLYETHYLENE WAX

Polyethylene Wax, a Low Molecular weight Polyethylene Polymer, is a versatile and High-Performance Material known for its unique Physical and Chemical Properties. This wax is characterized by its Hardness, High Melting Point, and Low Viscosity, making it an ideal Additive and Processing aid in various Industrial Applications.

Packaging Options, are available for this product as 25Kg bags, Jumbo Bags & Bulk.

Uses:

- Plastics Industry
- Coatings and Inks Industry
- Hot Melt Adhesives and Pressure-Sensitive Adhesives
- Rubber and Tire Industry
- Candles Manufacturing
- Polishes
- Personal Care products & More

Specification	Grades					
	360	361	363	366	367	368
Form	Flake	Flake	Flake	Powder	Flake	Flake
Density(g/cm3)	0.88±0.2	0.92± 0.03	0.90± 0.02	0.92±0.02	0.91±0.02	0.88± 0.02
Drop Melting Point (°C)	105±5	110±3	105±5	110±3	105±3	105±5
Volatile Matter (%)	<=5	<=2	MAX 4.0	-	<=3	<=4
Color	White	White	Yellowish	White	White	Yellowish
Solubility in Water	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble	Insoluble

SLACK WAX

Slack Wax, a byproduct of the refining process in the production of lubricating oils, is a mixture of oil and wax with a semi-solid consistency. It typically contains between 10 %to 30 %oil and ranges in color from pale yellow to brown. This versatile material is valued for its unique properties, making it suitable for various industrial and commercial applications.

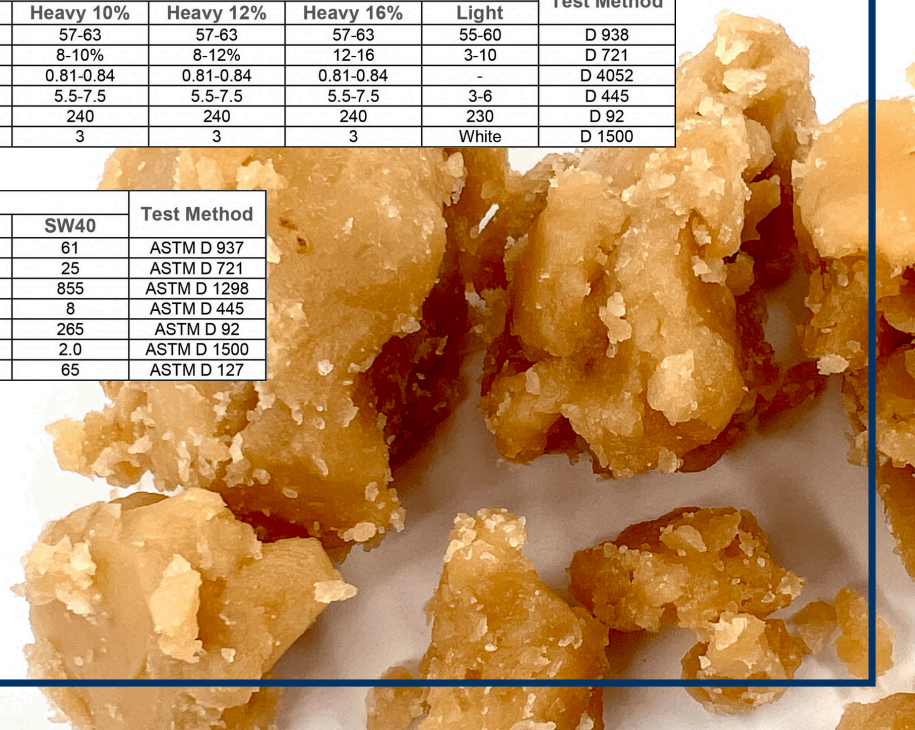
Packaging Options, are available for this product as Steel Drum, Flexi Tank, ISO Tank & Bulk.

Uses:

- Rubber and Tire Industry
- Candles Manufacturing
- Construction Industry
- Asphalt Emulsion Manufacturing
- Textiles Industry
- Emulsions, Polishes & Coatings & More

Specifications	Grades						Test Method
	Heavy 5%	Heavy 8%	Heavy 10%	Heavy 12%	Heavy 16%	Light	
Congealing Point	About 63	57-63	57-63	57-63	57-63	55-60	D 938
Oil Content	2-5%	5-8%	8-10%	8-12%	12-16	3-10	D 721
Specific Gravity @15 °C	0.81-0.84	0.81-0.84	0.81-0.84	0.81-0.84	0.81-0.84	-	D 4052
Kinematic Viscosity	5.5-7.5	5.5-7.5	5.5-7.5	5.5-7.5	5.5-7.5	3-6	D 445
Flash Point	240	240	240	240	240	230	D 92
Color	3	3	3	3	3	White	D 1500

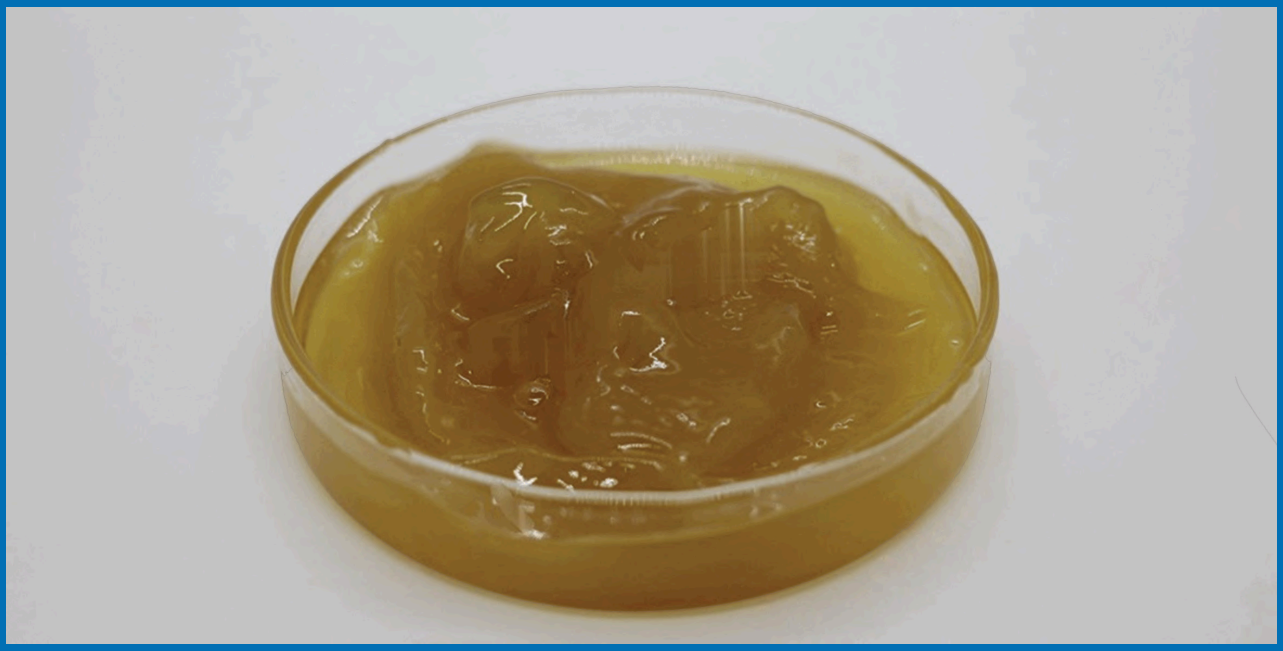
Specifications	Grades			Test Method
	SW10	SW20	SW40	
Congealing Point	55	60	61	ASTM D 937
Oil Content % Wt.	15	20	25	ASTM D 721
Specific Gravity @15.6 °C	820	840	855	ASTM D 1298
Kinematic Viscosity 100° C/CST	5	7	8	ASTM D 445
Flash Point °C	230	250	265	ASTM D 92
Color	0.5	1.0	2.0	ASTM D 1500
DROP MELTHING POINT °C	57	60	65	ASTM D 127



RESIDUE WAX

Residue Wax is a byproduct derived from the Petroleum Refining Process, specifically from the Production of Lubricating Oils. This Wax is a mixture of Oil and Wax components, typically Semi-Solid at Room Temperature, with a color Ranging from Yellow to Brown. Its composition varies, but it Generally contains a significant Proportion of Oil, making it a Versatile material for various Industrial Applications.

Packaging Options, are available for this product as Steel Drum & Bulk.



uses:

- Rubber and Tire Industry
- Candles Manufacturing
- Construction Industry
- Asphalt Emulsion Manufacturing
- Textiles Industry
- Industrial Lubricants and Greases
- Polishes and Coatings & More

Specifications	Test Unit	Test Unit	Test Method
Congealing Point	°C	25	ASTM D 938
Oil Content	%	25 - 50	ASTM D 721
Viscosity @ 100° C	°C	7 -11.5	ASTM D 445
Color	2.5		ASTM D 1500

BENTONITE

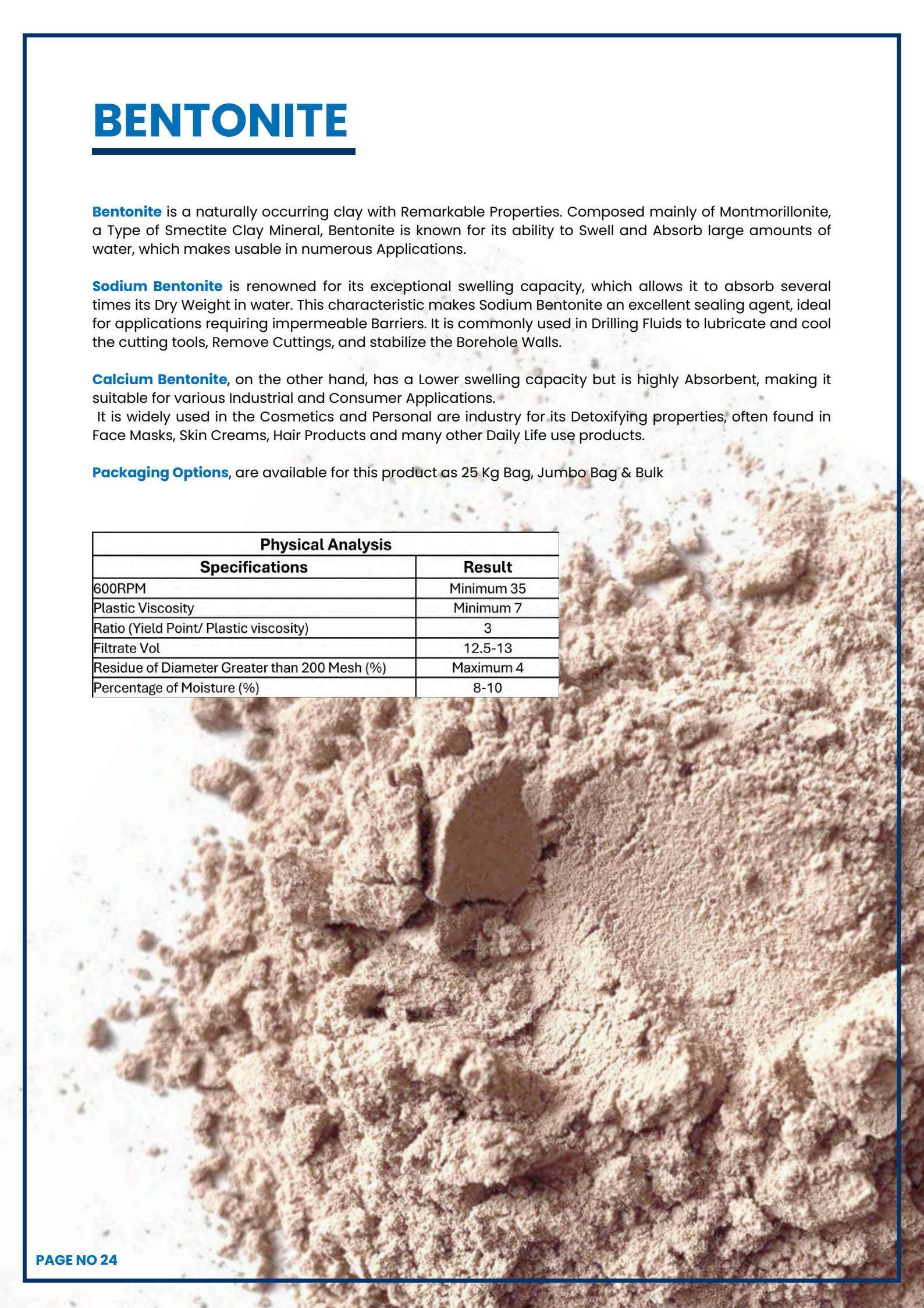
Bentonite is a naturally occurring clay with Remarkable Properties. Composed mainly of Montmorillonite, a Type of Smectite Clay Mineral, Bentonite is known for its ability to Swell and Absorb large amounts of water, which makes usable in numerous Applications.

Sodium Bentonite is renowned for its exceptional swelling capacity, which allows it to absorb several times its Dry Weight in water. This characteristic makes Sodium Bentonite an excellent sealing agent, ideal for applications requiring impermeable Barriers. It is commonly used in Drilling Fluids to lubricate and cool the cutting tools, Remove Cuttings, and stabilize the Borehole Walls.

Calcium Bentonite, on the other hand, has a Lower swelling capacity but is highly Absorbent, making it suitable for various Industrial and Consumer Applications.
It is widely used in the Cosmetics and Personal are industry for its Detoxifying properties, often found in Face Masks, Skin Creams, Hair Products and many other Daily Life use products.

Packaging Options, are available for this product as 25 Kg Bag, Jumbo Bag & Bulk

Physical Analysis	
Specifications	**Result**
600RPM	Minimum 35
Plastic Viscosity	Minimum 7
Ratio (Yield Point/ Plastic viscosity)	3
Filtrate Vol	12.5-13
Residue of Diameter Greater than 200 Mesh (%)	Maximum 4
Percentage of Moisture (%)	8-10



CALCIUM CHLORIDE

Calcium Chloride (CaCl2) is a Highly Versatile Chemical Compound known for its Hygroscopic properties, which means it has the ability to attract and retain moisture from its surroundings. This makes calcium chloride an essential material across various Industries, including Food, Pharmaceuticals, Construction, and more.

Packaging Options, are available for this product as 25Kg bags, Jumbo Bag & Bulk.

Specifications	Standard	Test Result	Standard Reference
Purity of Calcium Chloride (CaCl2) %W (Anhydrous)	Min 94	Min 96	ISIRI 13571
Fluoride (F) %W	Max 0.004	Max 0.003	ISIRI 13571
pH	4.5-9.5	8 – 9.5	ISIRI 13571
Insoluble in Acid %W	Max 0.02	Max0.02	ISIRI 13571
Mg and Magnesium Salts (Anhydrous) %W	Max 4	Max0.2	ISIRI 13571
Appearance	White Granulated	OK	ISIRI 13571
Total Alkali (as NaCl) %W Relative to Active Substance CaCl2	Max 6	Max 1	ISIRI 18193
Total Magnesium (as MgCl2) %W Relative to Active Substance CaCl2	Max 0.5	Max0.2	ISIRI 18193
Ca (OH)2 %W Relative to Active Substance CaCl2	Max 0.2	Max 0.05	ISIRI 18193

CAUSTIC SODA

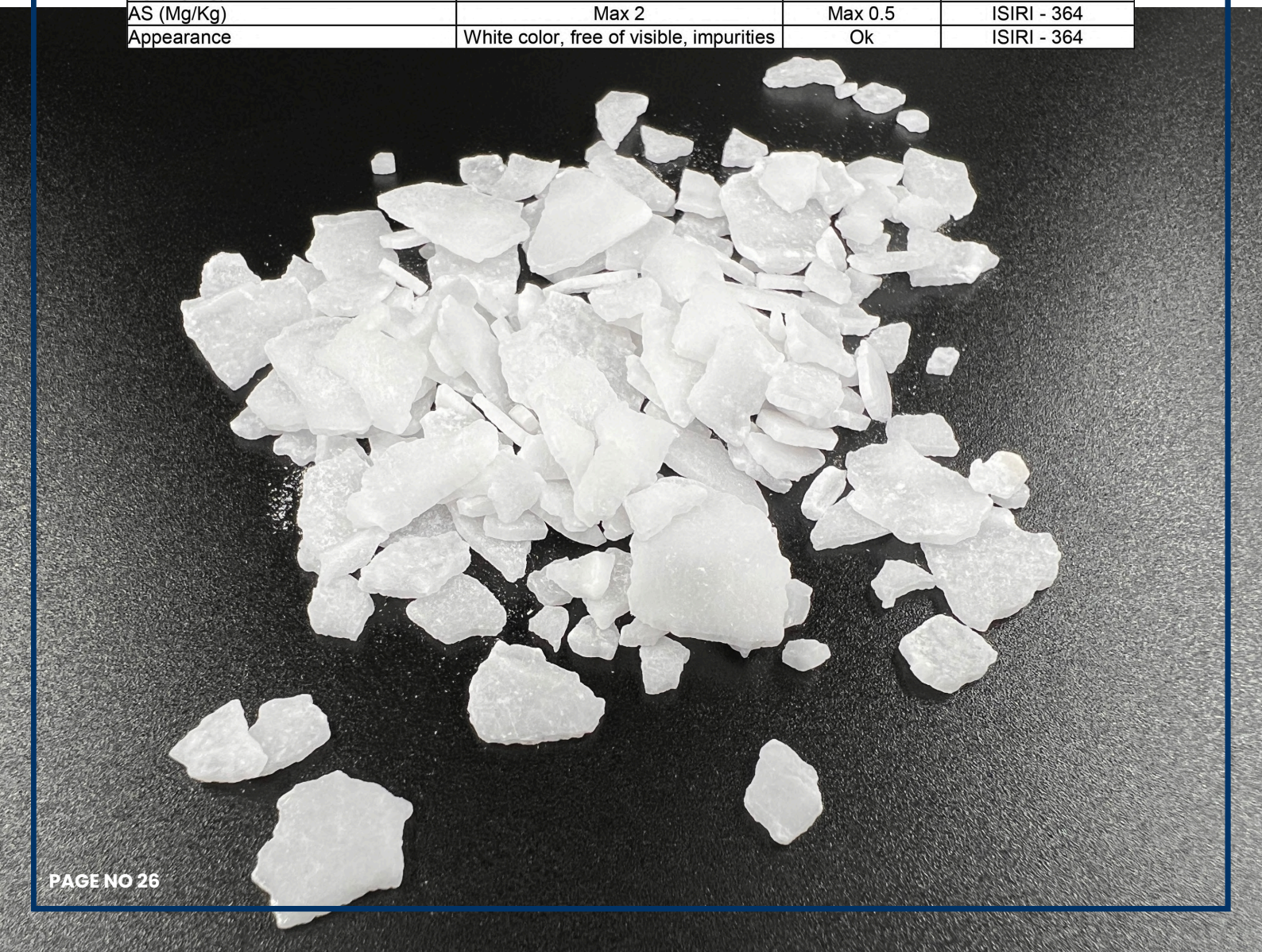
Caustic soda, also known as Sodium Hydroxide (NaOH), is a highly versatile and powerful chemical compound used across a multitude of industries for its strong Alkaline Properties. Available in several forms including Pellets, Flakes, and Liquid Solutions, Caustic Soda is renowned for its ability to Dissolve in Water, Alcohol, and Glycerine.

Packaging Options, are available for this product as 25 Kg Bag, Jumbo Bag & Bulk.

Uses:

- Manufacturing Industry
- Chemical Industry
- Aluminium Manufacturing Industry
- Pulp & Paper Manufacturing Industry
- Petroleum Industry
- Food Industry

Analyze	Accepting Limit	Result	Test Method
Purity (W %)	Min 98	Min 98	ISIRI - 364
Carbonate (Na2CO3) (W%)	Max 1	Max 0.6	ISIRI - 364
Chloride (NaCl) (W%)	Max 0.06	Max 0.02	ISIRI - 364
Sulfate (Na2SO4) (W%)	Max 0.01	Max 0.005	ISIRI - 364
Silicate (SiO2) (W%)	Max 0.02	Max 0.005	ISIRI - 364
Fe (Mg/Kg)	Max 30	Max 20	ISIRI - 364
Insoluble in water (W%)	Max 0.1	0	ISIRI - 364
Aluminum (AJ2O3) (Mg/Kg)	Max 20	Max 20	ISIRI - 364
Heavy metals (Pb) (Mg/Kg)	Max 20	Max 20	ISIRI - 364
Hg (Mg/Kg)	Max 0.2	Max 0.2	ISIRI - 364
AS (Mg/Kg)	Max 2	Max 0.5	ISIRI - 364
Appearance	White color, free of visible, impurities	Ok	ISIRI - 364



GLYCOL

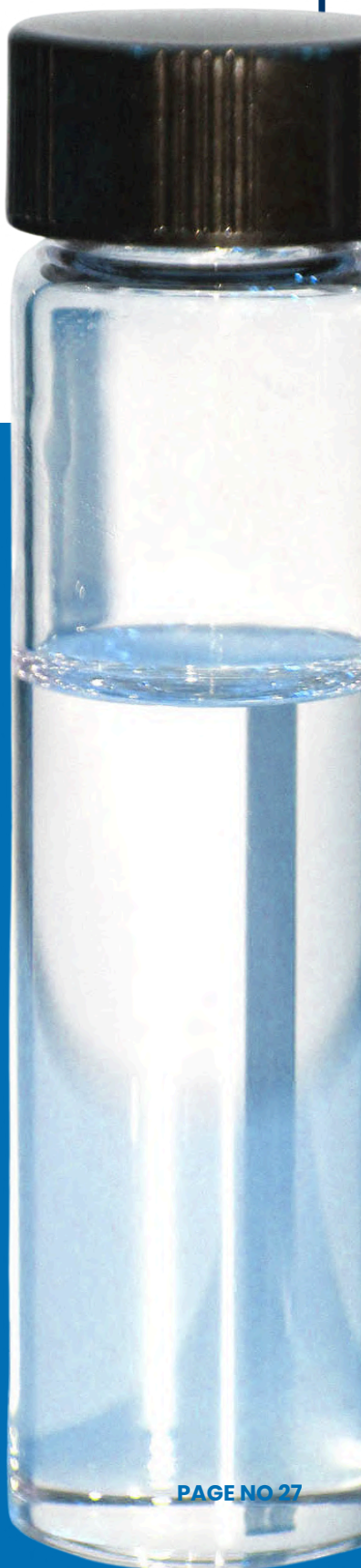
Glycol, a versatile and highly functional organic compound, is integral to numerous Industrial and Commercial applications. Known for its Hygroscopic Properties and High Solubility in water, Glycol is primarily available in two forms: Ethylene Glycol and Propylene Glycol. Both types share common characteristics but are suited to Different uses based on their Distinct chemical properties.

Ethylene Glycol is widely recognized for its use as an Antifreeze agent in Automotive Cooling Systems. Its ability to Lower the Freezing point and Raise the Boiling point of water makes it indispensable for Engine Protection in Extreme Temperatures. This form of Glycol ensures efficient Heat Transfer, prevents Corrosion, and inhibits the formation of scale deposits within the Cooling Systems, thereby extending the lifespan and performance of engines.

Propylene Glycol, on the other hand, is favoured for its Non-Toxic and Environment Friendly Nature. It finds extensive use in the Food and Pharmaceutical industries as a Solvent, Humectant, and Stabilizer. In Food Processing, Propylene Glycol is an FDA-approved additive that helps maintain moisture in products, ensuring Freshness and extending Shelf Life. In Pharmaceuticals, it serves as a carrier for active ingredients in Topical Formulations, Oral Medications, and Injectable solutions.

Packaging Options, are available for this product as 55 Kg gallon & Steel Drum. Customized Packaging can also be provided in Bulk Quantities.

Physical Properties			
Specifications	Result		
	LC	MC	HC
Appearance	Liquid	Liquid	Liquid
PH	> 6.5	> 6.5	> 6.5
Cloud Point (3 % in Salt Water)	>110°F	>150 °F	>190 °F
Density	1.1 ± 0.01 g/cm3	1.1 ±0.01 g/cm3	1.1 ±0.01 g/cm3
Solubility @ 25°F	Fresh Water and Brine	Fresh Water and Brine	Fresh Water and Brine



SULFURIC ACID

Sulfuric acid, a highly corrosive and dense liquid with the chemical formula H_2SO_4, is one of the most widely used industrial chemicals due to its versatility and strong acidic properties. It is colorless to slightly yellow in appearance and can exist in various concentrations. Known for its high reactivity and ability to act as a dehydrating agent, sulfuric acid plays a crucial role in numerous applications across various industries.

Specification	Unit	Result
FORMULA WEIT	%	98 + _0.05
MELTING POINT	°C	10-10.4
DENSITY	g/ml	1.840 AT 25 °C
VAPOUR DENSITY	-	0.3 (25c vs air)
Boiling POINT	°C	315-338 C
CL	%	<0.005
FE	%	<0.003

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