



RUBIK

ENERGY FZE



“Powering Progress, Fueling Tomorrow”

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ABOUT US

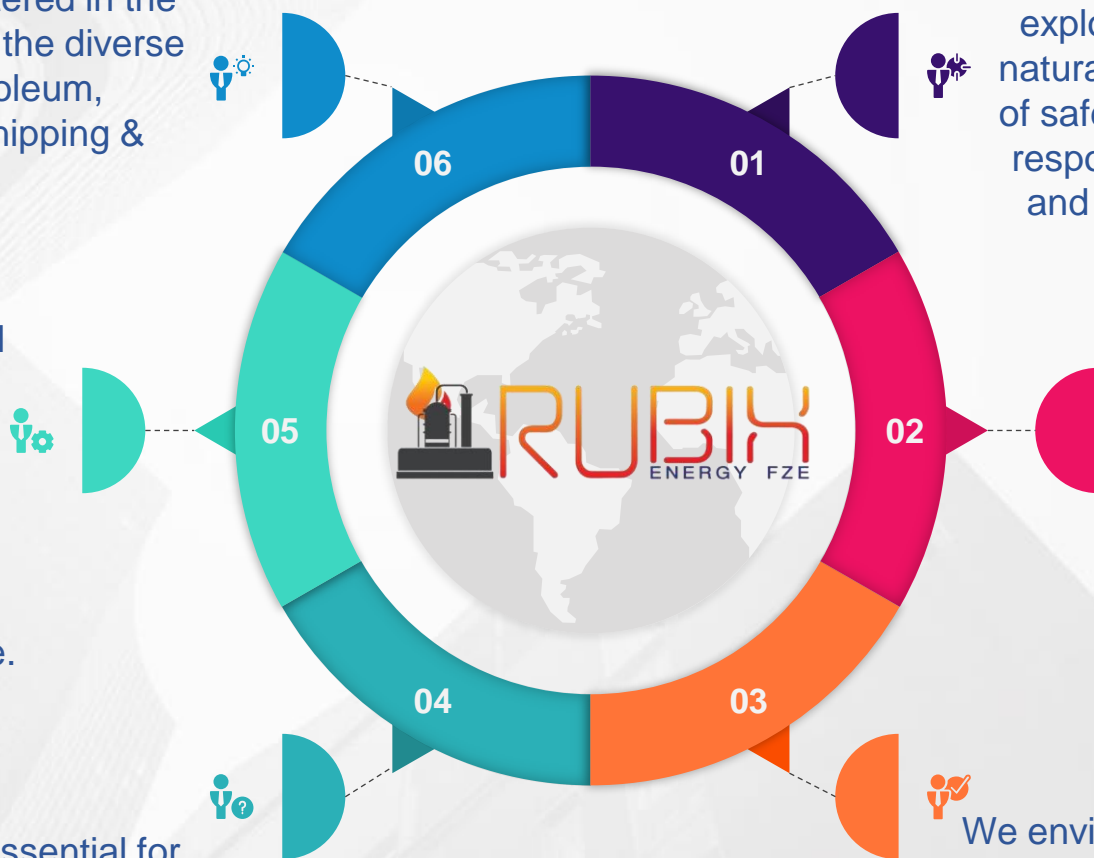
RUBIX ENERGY GROUP is a dynamic and forward-thinking company headquartered in the United Arab Emirates, specializing in the diverse fields of Oil & Gas Trading, Petroleum, Petrochemicals, Bunkering, and Shipping & Logistics.

Oil & Gas Trading

RUBIX ENERGY GROUP is a trusted name in the world of oil and gas trading. Leveraging its extensive experience and market insights, the company facilitates the exchange of crude oil, gas oil, bitumen, and other essential petroleum products to meet the energy needs of nations worldwide.

Bunkering

In the maritime industry, bunkering is essential for vessels' energy needs. RUBIX ENERGY GROUP excels in providing top-notch bunkering solutions, ensuring ships have access to the fuel and lubricants required for their journeys, thereby contributing to efficient global logistics.



Mission

Our mission is to be a global leader in the exploration, production, and distribution of oil and natural gas, while adhering to the highest standards of safety, environmental stewardship, and corporate responsibility. Our aim is to deliver energy security and value to our stakeholders while striving for a sustainable and cleaner energy future.

Shipping & Logistics

This SBU is the backbone of RUBIX ENERGY GROUP 's operations, ensuring that products reach their intended destinations swiftly and securely. With a commitment to excellence in logistics, the company ensures that the global supply chain is seamless, making vital resources available wherever they are needed.

Vision

We envision a future where our company plays a pivotal role in shaping a cleaner and more efficient energy landscape. Our vision extends beyond profits; it encompasses our commitment to the well-being of our planet and the prosperity of the communities we serve. We aspire to set the industry standard for responsible energy production and distribution, always looking ahead, driving progress, and powering a better tomorrow.

Products



DAP



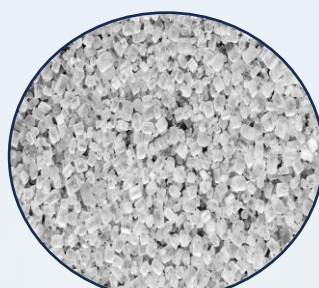
UREA



SULPHUR



CAUSTIC SODA



SODA ASH



SLACK WAX



LPG



RPO



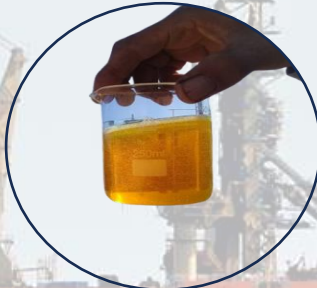
PARAFFIN WAX



GREASE



GASOIL



RECYCLE BASE OIL



BLACK DIESEL



WHITE OIL



BITUMEN



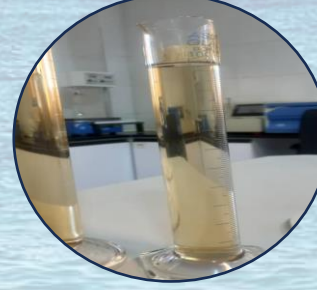
NAPHTHA



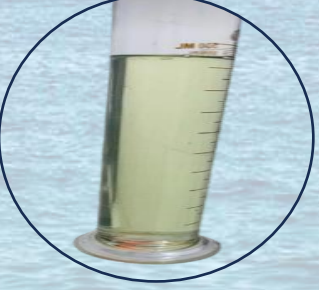
FUEL OIL



BASE OIL



HYDROCARBON



GASOLINE



WHITE SPIRIT

Specification

DAP (Di-Ammonium Phosphate)

Property	Units	Test Method	Value
Nitrogen	Wt%	Procedure Manual	1801 min
P2O5	Wt%	Procedure Manual	46.0 min
Moisture	Wt%	Procedure Manual	1.5 max
Particle Size (1-4mm)	%	Procedure Manual	85 min
Density	Kg/m ³	Procedure Manual	960 min

Specification

UREA N46 Automotive: Typical Properties

PROPERTIES	UNITS	MIN/MAX VALUES		RESULT
		MIN	MAX	
Urea Content (H ₂ , NCOH ₂)	%(m/m)	97.9		98.8
Total Nitrogen	%(m/m)	46.4		46.4
Biuret (wt%)	%(m/m)		0.9	0.73
Aldehydes (as HCHO)	mg/kg		15.4	6
Insoluble Matter	mg/kg		0.1	0.02 mg/kg
Phosphate (AS PO ₄)	mg/kg		0.5	<0.1
Calcium (Ca)	mg/kg		0.5	<0.1
Iron (Fe)	mg/kg		0.5	<0.1
Copper (Cu)	mg/kg		0.5	<0.1
Zinc (Zn)	mg/kg		0.5	<0.1
Nickel (Ni)	mg/kg		0.5	<0.1
Chromium (Cr)	mg/kg		0.5	<0.1
Magnesium (Mg)	mg/kg		0.5	<0.1
Sodium (Na)	mg/kg		0.5	<0.1
Potassium (K)	mg/kg		0.5	<0.1
Aluminum (Al)	mg/kg		0.5	<0.1
Moisture	%(m/m)		0.5	0.3
Alkalinity as NH ₃	%(m/m)		0.5	0.02
Granularity (D0.85mm-d2.80mm)	%	D0.85mm-d2.80mm		93%

UREA N46 Granular: Typical Properties

Physical & chemical Property	Actual
Biuret (wt%) MAX	1.0(max)
Water (wt%) MAX	0.5 (max)
Formaldehyde (wt%) MAX	0.6
Total nitrogen (wt%)	46.1(min)
NH ₃ (wt%)	0.015(max)
Total nitrogen (min wt%)	46
Urea (wt%)	97.93
Bulk density (g / lit)	0.73 -0.77
Physical state	White granules solid
Ave. MW	59.2
Size distribution	2-4mm 90%wt (Min)
Crushing strength (kg/ granule)	3.0 kg min On 3.15 mm dia. Granule size

Specification

UREA N46 Prill:

Typical Properties

Description of Index	Spec
Nitrogen	46% Min
Moisture	0.5 Max
Free Ammonia	160 PXT PPM Maximum
Biuret	1.0% Maximum
Harmful substances	100% free from harmful substance
Melting Point	132 degree Celsius
Granulation	1 mm to 4 mm 90% Min
Color	White standard or White Pure
Odor	Odorless
Boiling	Decomposes before boiling
Radiation	Non-Radioactive
Physical State	Solid @20°C, 101 KPA white granules
Specific Gravity	Solid @20°C-1.35 t/ms
Floatability in water	Sinks and Mixes
Molecular weight	60.065
Fertilizer Granular	94 -96% Min
Prill	96% Max
Fisher	0.30%

Specification

Sulphur Granular

Typical Properties

Description of Index	Spec
Mass fraction of Sulfur, % : Not less than	99.95
Mass fraction of Ash, % : Not less than	0.03
Mass fraction of organic compounds, % : Not more than	0.03
Mass fraction of acid converted to sulfuric acid, % : Not more than	0.003
Mass fraction of Moisture, % : Not more than	0.2
Presence of mechanical impurities	Absent
Color	Bright Yellow

Sulphur Lump

Typical Properties

Property	Unit	Method	Spec
Ash Content	wt%	ISO 3425	Max 0.09
Hydrocarbon	wt%	B.S. 4113	Max 0.09
Purity (on dry basis)	wt%	B.S. 4113	Min 99.7
Moisture Content	wt%	B.S. 4113	Max 0.8
Acidity (as H ₂ SO ₄)	wt%	ISO 3704	Max 0.02

Specification

CAUSTIC SODA

Flakes 99%

Typical Properties

Property	Test Method	Unit	Accepting Limit	Result
NaOH	ISIRI 364	%w	Min 99	99.95
NaCL	ISIRI 364	%w	Max 0.06	0.0085
Na ₂ CO ₃	ISIRI 364	%w	Max 1	0.43
Fe	ISIRI 364	mg/kg	Max 30	12.5
Na ₂ SO ₄	ISIRI 364	%w	Max 0.01	0.0047
SiO ₂	ISIRI 364	%w	Max 0.02	0.0019
Al ₂ O ₃	ISIRI 364	mg/kg	Max 20	<20
Insoluble in water	ISIRI 364	%w	Max 0.1	0
Heavy Metals (Pb)	ISIRI 364	mg/kg	Max 20	<20

Specification

SODA ASH (Light)

Typical Properties

Chemical Composition	Unit	Min	Max	Result
Sodium carbonate (Na ₂ CO ₃)	%wt	99.2	99.6	99.2 -99.4
Sodium Chloride (NaCl)	%wt	0.1	0.5	0.3-0.4
Sodium Bicarbonate (NaHCO ₃)	%wt	-	0.1	0.01-0.15
Sodium Sulfate (Na ₂ SO ₄)	%wt	-	0.05	0.03 -0.07
Iron (Fe)	ppm	-	30	30-40
Loss on Heating	%wt	-	0.2	0.1-0.2
Moisture	%wt	-	0.2	
Ni	ppm	-	30	-
Cr	ppm	-	10	-
Mn	ppm	-	10	-
Cu	ppm	-	30	-
Characteristics				
Total Alkalinity (Na ₂ O)	%wt	58.12	58.42	58.02-58.14
Pouring Density	g/cm ³	0.45	0.6	0.57-0.6

SODA ASH (Dense)

Typical Properties

Chemical Composition	Unit	Min	Max	Result
Sodium carbonate (Na ₂ CO ₃)	%wt	99.2	99.6	99.2 -99.4
Sodium Chloride (NaCl)	%wt	0.1	0.5	0.3-0.4
Sodium Bicarbonate (NaHCO ₃)	%wt	-	0.1	0.01-0.15
Sodium Sulfate (Na ₂ SO ₄)	%wt	-	0.05	0.03 -0.07
Iron (Fe)	ppm	-	30	30-40
Loss on Heating	%wt	-	0.2	0.1-0.2
Moisture	%wt	-	0.2	
Ni	ppm	-	30	-
Cr	ppm	-	10	-
Mn	ppm	-	10	-
Cu	ppm	-	30	-
Characteristics				
Total Alkalinity (Na ₂ O)	%wt	58.12	58.42	58.02-58.14
Pouring Density	g/cm ³	0.85	1.1	0.90-1.0
Mesh	<40	-	40	20-35%
	40-140	-	59	30-65%
	>140	-	1	<1%

Specification

LPG

BUTANE

TEST	METHOD ASTM	Results
PROPANE & LIGHTER (MOLE %) MAX	D-2163	MAX 2
TOTAL BUTANE (MOLE %) MIN	D-2163	97
TOTAL PENTANE & HEAVIER (MOLE %) MAX	D-2163	MAX 2
SPECIFIC GRAVITY @ 60/60 ° F Max	D-2598	MAX 0.585
CORROSION NUMBER	D-1838	1-A
VAPOUR PRESSURE (PSIG) @ 100 ° F	D-2598	MAX 50
HYDROGEN SULFIDE	D-2420	NEGATIVE
TOTAL SULPHUR (WT PPM) MAX	D-6667	MAX 30
NON VOLATILE RESIDUE VOL% MAX	D-2158	MAX 0.1

PROPANE

TEST	METHOD ASTM	Results
ETHANE & LIGHTER (MOLE %) MAX.	D-2163	MAX 2
PROPANE (MOLE %) MIN.	D-2163	MIN 98
TOTAL BUTANE & HEAVIER (MOLE %) MAX	D-2163	MAX 2
SPECIFIC GRAVITY AT 60/60 ° F Max	D-2598	MAX 0.510
COPPER CORROSION	D-1838	1-A
VAPOUR PRESSURE (PSIG) @ 100 ° F Max	D-2598	MAX 200
HYDROGEN SULPHIDE (PPM) MAX.	D-2420	NEGATIVE
TOTAL SULPHUR (PPM) MAX.	D-6667	MAX 30
NON VOLATILE RESIDUE %	D-2158	NIL

Specification

RPO (Rubber Process Oil)

Typical Properties

Specification	Extract Grade						Test Methods
	125	135	145	155	Light	Heavy	
Kinematic Viscosity @ 100 °C	20-30	30-40	40-50	50-60	1.05	35	ASTM D445
Flash Point	220	230	240	240	200-230	200-240	ASTM D92
Aniline Point	40-55	35-45	30-40	33	30-40	40	ASTM D611
Pour Point	+36	+33	+27	+24	-	-	ASTM D97
Density @ 15.6 °C (R/cm ³)	1.01	1.01	1.02	1.03	1.05	1.05	ASTM D4052
Viscosity	0.95	0.96	0.97	0.99	0.99	0.99	ASTM D2501

Specification

RPO (Rubber Process Oil)- DAE

Typical Properties

DISTILLATE AROMATIC EXTRACT Specification	DAE				Test Methods
	10	11	20	40	
Kinematic Viscosity @ 100 °C	10	10	20	Min 40 Max 60	ASTM D445
Flash Point	215	215	240	Min 265 Max 300	ASTM D92
Aniline Point	35	30	45	Min 50 Max 65	ASTM D611
Pour Point	9	9	15	Min 15 Max 20	ASTM D97
Specific Gravity @ 15°C (kg/m ³)	1000	1000	1005	Min 995 Max 1020	ASTM D1298
Sulphur Content (wt%)	3	5	4	5	ASTM D2622
Ash Content (wt%)	0.01	0.1	0.15	0.15	ASTM D482
Carbon type Analysis %					
C _A	55	60	40	50	ASTM D3238
C _N	1	1	15	5	
C _P	44	39	45	45	

Specification

GASOIL Gas Oil 0.5% Typical Properties

Parameters	Unit	Limit	Test Method
Density @ 15°C	Kg/m ³	820-860	ASTM D1298
Distillation: Recovered @ 150°C Recovered @ 300°C Recovered @ 375°C	Vol %	Report Report 90 min	ASTM D86
FBP	°C	385 max	ASTM D86
Colour	-	3 max	ASTM D1500
Flash Point	°C	60 min	ASTM D93
Sulphur Total	Wt%	0.5 max	ASTM D1552
Corrosion - 3hrs @ 100°C	-	1 a	ASTM D130
Viscosity Kinematic @37.8°C	c.St	2.0-5.5	ASTM D445
Cloud Point	°C	2.0 max	ASTM D2500
Pour Point	°C	-3.0 max	ASTM D97
Carbon Residue (on 10% Bottoms)	Wt%	0.1 max	ASTM D189
Ash	Wt%	0.01 max	ASTM D482
Water & Sediment	Vol %	0.05 max	ASTM D2709
Cetane index	-	49 min	ASTM D976

EN 590 Typical Properties

Parameters	Unit	Limit	Test Method
Density @ 15°C	Kg/m ³	820-860	ASTM D1298
Color	-	0.5 max	ASTM D1500
Flash Point	°C	70 min	ASTM D93
Sulphur Total	mg/kg	40 max	ASTM D1552
Corrosion - 3hrs @ 100°C	-	1 a	ASTM D130
Kinematic Viscosity @40°C	mm ² /s	2.0-5.5	ASTM D445
Pour Point	°C	15 max	ASTM D97
Ash	Wt%	0.01 max	ASTM D482
Water Content	mg/kg	200 max	ASTM D2709

Specification

VIRGIN BASE OIL

SN 150

Typical Properties

Property	Unit	Min	Max	Test Method
Density @ 15 C°	Kg / m ³	-	875	ASTM D1298
Kinematic Viscosity @100 °C	cSt	4.7	5.7	ASTM D445
Kinematic Viscosity @40 °C	cSt	19	24	ASTM D445
Pour Point	°C	-	-6	ASTM D97
Flash Point	°C	200	210	ASTM D92
Viscosity Index	-	90	110	ASTM D2270
Color	-	1	1.5	ASTM D1500
Total Acid Number	mgKOH/g	-	0.03	ASTM D664

SN 500

Typical Properties

Characteristic	Unit	Test Method	Specification
Appearance	-	Visual	B & C
Color	-	ASTM D-1500	Max 2
Kinematic viscosity at 100°C	mm ² /s (cSt)	ASTM D-445	Min 10.8
Viscosity index	-	ASTM D-2270	Min 87
Flash point	°C	ASTM D-92	Min 235
Pour point	°C	ASTM D-97	Max-3

Specification

VIRGIN BASE OIL

SN 70

Typical Properties

Property	Unit	Test Method	Result
Appearance	-	Visual	C& B
Color	-	ASTM D1500	Max 0.5
Density @29.5 °C	g/cm ³	ASTM D1298	0.821
Kinematic viscosity @40 °C	cSt	ASTM D445	Min 11 - Max 14
Kinematic viscosity @100 °C	cSt	ASTM D445	3
Viscosity Index	-	ASTM D2270	Min 90 - Max 105
Flash Point	°C	ASTM D92	Min 150 - Max 170
Pour Point	°C	ASTM D97	Max -15
TAN	mg/KOH	ASTM D664	Max 0.200

SN 40

Typical Properties

Property	Test Method	Min	Max	Result
Density @15 °C (g/ml)	ASTM D40522	0.805	0.845	0.816
Viscosity @15 °C (cSt)	ASTM D445	3	-	5.4
Flash Point	ASTM D93	125	-	151
Total Acid Number (mg KOH/g)	ASTM D664	-	0.2	0
Sulfur (ppm)	ASTM D4294	-	10	3
color	ASTM D1500	-	1	0.3
Distillation range (IBP-FBP)	ASTM D86	250	355	284.8-338.2
Pour Point	ASTM D197	-	-6	-15

Specification

VIRGIN BASE OIL

SN 50

Typical Properties

Property	Unit	Test Method	Result
Appearance	-	Visual	C & B
Color	-	ASTM D1500	1.0
Density @ 15 °C	g/cm ³	ASTM D4052	0.8400
Kinematic viscosity @ 40 °C	cSt	ASTM D445	5.56
Kinematic viscosity @ 100 °C	cSt	ASTM D445	1.78
Viscosity Index	-	ASTM D2270	98
Flash Point	°C	ASTM D92	146
Pour Point	°C	ASTM D97	-6

SN 65

Typical Properties

Property	Unit	Test Method	Result
Appearance	-	Visual	C& B
Color	-	ASTM D1500	Max 0.5
Density @ 15 °C	g/cm ³	ASTM D1298	0.85
Kinematic viscosity @ 40 °C	cSt	ASTM D445	Min 8
Kinematic viscosity @ 100 °C	cSt	ASTM D445	Min 2.28
Viscosity Index	-	ASTM D2270	Min 90
Flash Point	°C	ASTM D92	Min 170
Pour Point	°C	ASTM D97	Max-6

Specification

RECYCLE BASE OIL

SN 500

Typical Properties

Property	Unit	Value	Test Method
Density @ 20 °C	Kg/m ³	880	ASTM D1298
Kinematic Viscosity @100 °C	cSt	9	ASTM D445
Kinematic Viscosity @40 °C	cSt	60	ASTM D445
Pour Point	°C	Min -6	ASTM D97
Flash Point	°C	Min 210	ASTM D92
Viscosity Index	-	Min 95	ASTM D2270
Color	-	2-2.5	ASTM D1500

SN 350

Typical Properties

Property	Unit	Value	Test Method
Density @ 20 °C	Kg/m ³	870	ASTM D1298
Kinematic Viscosity @100 °C	cSt	8	ASTM D445
Kinematic Viscosity @40 °C	cSt	50	ASTM D445
Pour Point	°C	Min -5	ASTM D97
Flash Point	°C	200 ± 3	ASTM D92
Viscosity Index	-	Min 95	ASTM D2270
Color	-	2 - 2.5	ASTM D1500

Specification

RECYCLE BASE OIL

SN 500+

Typical Properties

Property	Unit	Value	Test Method
Density @ 20 °C	Kg/m ³	880 - 890	ASTM D1298
Kinematic Viscosity @100 °C	cSt	9.5	ASTM D445
Kinematic Viscosity @40 °C	cSt	70	ASTM D445
Pour Point	°C	Min -6	ASTM D97
Flash Point	°C	220 ± 3	ASTM D92
Viscosity Index	-	Min 95	ASTM D2270
Color	-	2-2.5	ASTM D1500

SN 150

Typical Properties

Property	Unit	Value	Test Method
Density @ 20 °C	Kg/m ³	865	ASTM D1298
Kinematic Viscosity @100 °C	cSt	7	ASTM D445
Kinematic Viscosity @40 °C	cSt	40	ASTM D445
Pour Point	°C	Min -6	ASTM D97
Flash Point	°C	185	ASTM D92
Viscosity Index	-	Min 95	ASTM D2270
Color	-	2	ASTM D1500

Specification

WHITE OIL

Typical Properties

Property	Specification	Result
Appearance	B & C	B & C
Density @29.5°C	T.R	0.820
Color	White	White
Flash Point °C	150 Min	170
Viscosity Index	90 Min	105
Kinematic Viscosity @40 °C	14-Oct	11.4
Kinematic Viscosity @100 °C	T.R	2.69
Pour Point °C	-15 Max	-34

Medical Grade

Typical Properties

Property	Unit	MIN	MAX	Test Method
Density @ 20 °C	Kg/m ³	0.827	0.89	ASTM D1298
Kinematic Viscosity @40 °C	cSt	19	21	ASTM D445
Pour Point	°C	0	-6	ASTM D97
Flash Point	°C	197	215	ASTM D92
Color	-	-	-	ASTM D1500
Acidity or Alkalinity	-	Passed	Passed	B.P 2012
Odour	-	Passed	Passed	B.P 2012
Solid Paraffin	-	Passed	Passed	B.P 2012
Polycyclic Aromatic Hydrocarbons	-	Passed	Passed	B.P 2012

Specification

BITUMEN

Viscosity Grade Bitumen

Typical Properties

Property	VG 40	VG 30	VG 20	VG 10	Test Method
Absolute viscosity @ 60°C, Poises	Min 3200	Min 2400	Min 1600	Min 800	IS 1206
Kinematic Viscosity @ 135°C, cSt	Min 400	Min 350	Min 300	Min 250	IS 1206
Flash Point, °C	Min 220	Min 220	Min 220	Min 220	IS 1209
Solubility in trichloroethylene, %	Min 99	Min 99	Min 99	Min 99	IS 1206
Softening Point (R&B), °C	Min 50	Min 47	Min 45	Min 40	IS 1206
Penetration @ 25°C(100g, 5 sec) 0.1 mm	40-60	50-70	60-80	80-100	IS 1203
TEST ON RESIDUE FROM THIN FILM OVEN TESTS/RTFOT					
i)Viscosity ratio @ 60 °C	Max 4.0	Max 4.0	Max 4.0	Max 4.0	IS 1206
ii) Ductility @ 25 °C, cm, after thin film oven test	Min 25	Min 40	Min 50	Min 75	IS 1208
Specific Gravity @ 27/27 °C	Min 0.99	Min 0.99	Min 0.99	Min 0.99	IS 1202

BITUMEN PENETRATION Grade 60/70

Typical Properties

Analysis	Unit	Limit	Test Method
Density @25c	Kg/m ³	1010-1060	ASTM D70 OR D3289
Penetration@25c	mm/10	60-70	ASTM D5
Softening point	°c	46 min	ASTM D36
Ductility@25c	cm	100 min	ASTMD113
Loss on heating	Wt%	0.2max	ASTMD6
Drop in penetration after heating	%	20max	ASTM D5
Flash point	°c	232min	ASTMD92
Solubility	Wt%	99.0min	ASTMD2042
Spot test	---	Negative	AASHTO T102
viscosity@60c	P	2000±400	ASTMD2171
Viscosity @135c	C5i	300min	ASTMD2170
Wax content	%	2max	DIN EN 12606-1

Specification

BITUMEN

BITUMEN PENETRATION Grade 50/70

Typical Properties

Analysis	SPECIFICATION	TEST METHOD
SPECIFIC GRAVITY @25/25 C	1.01-1.06	D70
PENETRATION @25 C	50/70	D-5
SOFTENING POINT C	44/56	D-36
Ductility @ 25C	100 min	D-113
Loss on heating (wt)%	0.2 max	D-6
Drop in penetration after heating , %	20 max	D-6&D-5
Flash Point C	240-300	D-92
Solubility in CS2 (wt)%	99.5 min	D-4
Spot test	Negative	*A.A.S.H.O.T.102

BITUMEN PENETRATION Grade 80/100

Typical Properties

Analysis	SPECIFICATION	TEST METHOD
SPECIFIC GRAVITY @25 C	1.00-1.25	ASTM-D3289
PENETRATION @25 C	80-100	ASTM-D5
SOFTENING POINT C	45-60	ASTM-D36
Ductility @ 25C	100 min	ASTM-D113
Loss on heating (wt)%	0.03	ASTM-36
Drop in penetration after heating , %	20	ASTM-D6/D5
Flash Point C	230 min	ASTM-D92
Solubility in CS2 (wt)%	60.1	ASTM-D4
Spot TEST	NEG	AASHTO-T102

Specification

BITUMEN

BITUMEN PENETRATION Grade 70/90

Typical Properties

Analysis	SPECIFICATION	TEST METHOD
SPECIFIC GRAVITY @25 C	1.00-1.25	ASTM-D3289
PENETRATION @25 C	70-90	ASTM-D5
SOFTENING POINT C	40-60	ASTM-D36
Ductility @ 25C	100 min	ASTM-D113
Loss on heating (wt)%	0.03	ASTM-D6
Drop in penetration after heating , %	9.2	ASTM-D6/D5
Flash Point C	230 min	ASTM-D92
Solubility in CS2 (wt)%	60.1	ASTM-D4
Spot TEST	NEG	AASHTO-T102

BITUMEN PENETRATION Grade 50/60

Typical Properties

Analysis	SPECIFICATION	TEST METHOD
SPECIFIC GRAVITY @25 C	1.00-1.33	ASTM-D3289
PENETRATION @25 C	50-60	ASTM-D5
SOFTENING POINT°C	40-60	ASTM-D36
Ductility @ 25C	80 min	ASTM-D113
Loss on heating (wt)%	0.03	ASTM-D6
Drop in penetration after heating , %	9.2	ASTM-D6/D5
Flash Point C	230 min	ASTM-D92
Solubility in CS2 (wt)%	60.1	ASTM-D4
Spot TEST	NEG	AASHTO-T102

Specification

BITUMEN

BITUMEN PENETRATION Grade 40/60

Typical Properties

Analysis	Test Method	Unit	Specification
PENETRATION @25 C	IP 49	mm/10	40/60
Sottening point°C	IP 58	°C	48/56
Kinematic Viscositiv @ 135°C	IP 370	mm ² /s	325 min
Flach point°C	IP 36	°C	230 min
Solubility is CS2(wt) %	IP 47	wt %	99 min

BITUMEN PENETRATION Grade 40/50

Typical Properties

Analysis	SPECIFICATION	TEST METHOD
SPECIFIC GRAVITY @25/25 C	1.01-1.06	D-70
PENETRATION @25 C	40/50	D-5
SOFTENING POINT C	52/60	D-36
Ductility @ 25C	100 min	D-113
Loss on heating (wt)%	0.2 max	D-6
DROP IN PENETRATE AFTER HEATING %	20 max	D-6&D-5
Flash Point C	250min	D-92
Solubility in CS2 (wt)%	99.5 min	D-4
Spot test	Negative	*A.A.S.H.O.T.102

Specification

BITUMEN

BITUMEN PENETRATION Grade 85/100

Typical Properties

Analysis	SPECIFICATION	TEST METHOD
SPECIFIC GRAVITY @25/25 C	1.01-1.05	D-70
PENETRATION @25 C	85/100	D-5
SOFTENING POINT C	45/52	D-36
Ductility @ 25C	100 min	D-113
Loss on heating (wt)%	0.5 max	D-6
DROP IN PENETRATE AFTER HEATING %	20 max	D-6&D-5
Flash Point C	232 max	D-92
Solubility in CS2 (wt)%	99.5 min	D-4
Spot test	Negative	*A.A.S.H.O.T.102

NAPHTHA

Specification

SPEC. DESCRIP.	UNIT	RESULTS	REF. METHODS
Density @ 15 °C	Kg/m ³	725 (max)	INSO 8575-ASTM D7042
FLASH POINT (Closed Cup)	°C	FREE	INSO 19695
R.V.P	PSI	7.0	ASTM D323
COLOR Say Bolt	-	+ 20	ASTM D156
MERCAPTANE	ppm	500 (max)	INSO 9379-ASTM D3227
TOTAL SULFUR	Wt%	0.15	INSO 8402-ASTM D4294
CUPPER ROD CORROSION	-	-	ISIRI 336
TOTAL AROMATIC	(V/V)%	16	ISIRI 8403-ASTM D1319
BENZEN	(W/W)%	2	ASTM D6729
PIONA: P(NP+IP)	Vol %	67.25	ASTM D6730
I - PARAFFINS	Vol %	44.87	ASTM D6730
N- PARAFFINS	Vol %	22.38	ASTM D6730
PIONA: O	Vol %	6.58	ASTM D6730
PIONA: N	Vol %	16.23	ASTM D6730
PIONA: A	Vol %	9.94	ASTM D6730
Oxygenate	ppm	50 (max)	
ATMOSFERIC DISTILATION			
IBP	°C	44	INSO 6261-ASTM D86
5%	°C	59	
10%	°C	67	
20%	°C	76	
30%	°C	88	
40%	°C	94	
50%	°C	103	
60%	°C	113	
70%	°C	123	
80%	°C	135	
90%	°C	167	
95%	°C	184	
FBP	°C	200	
RECOVERY VOL	(%)	99	
RESIDUE VOL.	(%)	1	
LOSS VOL.	(%)	0	

Specification

FUEL OIL

Test Results

TEST	Method	Unit % mass	ISO 8217:2010
Sulphur Content	ASTM D 4294-21	% mass	-
Flash Point	ASTM D 93b-20	°C	Min 60
Density @ 15 °C	ASTM D 1298-12bR17	Kg/L	Max 0.9910
Kinematic Viscosity 50 °C	ASTM D 445-21e1	cSt	Max 380
Water Content	ASTM D 95-13R18	%vol	Max 0.5
Ash content	ASTM D 482-19	% mass	Max 0.10
Carbon Residue	ASTM D 189-06R19	% wt	Max 15
Pour point	ASTM D 97-17b	°C	Max 30
Calorific Value (Gross)	ASTM D 4868-17	kcal/kg	-
Calorific Value (Nett)	ASTM D 4868-17	kcal/kg	-
Calcium	IP 501	mg/kg	Max 30
Sodium	IP 501	mg/kg	Max 100
Aluminum + Silicon	IP S01	mg/kg	Max 60
Vanadium	IP 501	mg/kg	Max 350
Zinc	IP 501	mg/kg	Max 15

Specification

MIXED HYDROCARBON

	ASTM	UNIT	RESULT
Color	D1500	N.A	1.5
Kinematic Viscosity @40°C	D445	Cst	2.1
Kinematic Viscosity @100 °C	D445	Cst	1.2
Flash Point	D93	°C	57
Density@29°C	D4052	g/cm ³	0.815
SULPHUR	D4294	Ppm	690
IBP	D86	°C	147
10%	D86	°C	182
20%	D86	°C	207
30%	D86	°C	236
40%	D86	°C	274
50%	D86	°C	299
60%	D86	°C	318
70%	D86	°C	343
80%	D86	°C	390
90%	D86	°C	395
95%	D86	°C	>402
FBP	D86	°C	>404

Specification

GASOLINE

A95

Typical Properties

Parameters	Unit	Result	Test Method
RON	-	Min 95	ASTM D2699
MON	-	Min 84	ASTM D2700
Density @15°C	Kg/m ³	740	ASTM D4052
DVPE	Kpa	58	ASTM D232
IBP	°C	40	ASTM D86
10%	°C	57	ASTM D86
50%	°C	113	ASTM D86
90%	°C	143	ASTM D86
FBP	°C	193	ASTM D86
Residue	%Vol	1	ASTM D86
Losses	%Vol	2	ASTM D86
E70	%Vol	32	EN ISO 3405
E100	%Vol	45	EN ISO 3405
E150	%Vol	91	EN ISO 3405
Oxygen	%mass	1.95	EN 1601
Sulphur	Mg/Kg	150	ASTM D4292
Saturate	%Vol	58	ASTM D1319
Aromatic	%Vol	35	ASTM D1319
Olefin	%Vol	2	ASTM D1319
Benzene	%Vol	0.9	EN 238
Ethanol	%Vol	0.0	EN 1601
Methanol	%Vol	0.0	EN 1601
Oxide stability	Minutes	>960	ISO 7536
Copper strip	Merit	1a	ISO 2160
Existent gum	Mg/100ml	<5	ISO 6246
Water content	ppm	120	EN ISO 12937

Specification

GASOLINE GRADE 92 RON

Tests	UOM	Test Method	Min	Max	*Best Estimates
Color			Undyed		
Density @15 DEG C	kg/m ³	ASTM D-4052	720		723-725
Total Sulphur	ppm wt	ASTM D-5453		10	02-04
Research Octane Number (RON)		ASTM D-2699	92		92.1-92.3
Motor Octane Number (MON)		ASTM D-2700	82		82.8-83.4
T10% evaporated	Deg C	ASTM D-86		70	
T50% evaporated	Deg C	ASTM D-86	77	125	
T90% evaporated	Deg C	ASTM D-86		190	
Final Boiling Point (FBP)	Deg C	ASTM D-86		210	
Distillation Residue	Vol%	ASTM D-86		2	
Reid Vapour Pressure (RVP)	kpa	ASTM D-5191		62	58-60
Existent Gum	gm/m3	ASTM D-381		40	
Cu. Strip Corrosion @50 Deg C 3 Hrs		ASTM D-130		1	
Mercaptan Or Doctor test for H2S	ppm wt	ASTM D-3227		15	
		ASTMD4952	negative		
Benzene Content	Vol%	ASTM D-3606		1.0	0.8-0.9
Oxygen content	Vol%	ASTM D-4815		0.2	
Olefins	Vol%	ASTM-6839/ASTMD-1319		18	15-17
Aromatics	Vol%	ASTM D-6839		35	24-27
MTBE	Vol%	ASTMD4815		0.25	
Driveability index	number	ASTMD4814(1.5*T10+3*T50+T90, T in deg F)	To report		
Phosphorus	gm/gal	ASTMD3231/ICP	To report		
TVL ratio @ 20	Deg C	ASTMD5188	To report		
Corrosion (Ag) 3 hrs@50 °C	rating	ASTM D7671, Procedure-B	To report		
Dicyclopentadiene	wt%	GC	To report		
Oxidation stability	Minutes	ASTM D 525	240		

Specification

WHITE SPIRIT (F>230)

Technical Data Sheet

TEST ITEMS	TEST METHOD	RESULT
Appearance	Visual	Clear, Bright, Transparent
Density @20°C	ASTM D 1298	Min 0.775
Acidity	Qualitative	Neutral
Aromatic Content % vol	ASTM D 1319	20 Max
Water Content	ASTM E 1064	0.02
IBP °C	ASTM D 86	Min 130
10% Evaporated	ASTM D 86	Min 160
50% Evaporated	ASTM D 86	Max 192
90% Evaporated	ASTM D 86	Max 215
FBP °C	ASTM D 86	240
Doctor Test	ASTM D 4952	Neg.
Flash Point °C	ASTM D 58	Min 45
Color, sybolt	ASTM D 156	Min 25
Corrosion 3hr 100°C	ASTM D 130	1a
Sulphur total% mass	ASTM D 1266	Max 0.1

Reliable Shipping Service

We specialize in providing top-notch shipping services tailored to meet the unique needs of your industry. Key Highlights of Our Shipping Services:

Specialized Expertise:

We have extensive experience in handling crude oil and petroleum products, ensuring that your shipments are in safe and capable hands.

Safe and Compliant:

Safety is our priority, and we adhere to all industry regulations and best practices to ensure the secure transportation of your valuable cargo.

Efficiency and Reliability:

Our shipping services are designed for efficiency and reliability, guaranteeing on-time delivery and minimizing transit risks.

Global Reach:

We offer both domestic and international shipping options, connecting your products to markets around the world.

Custom Solutions:

We understand that every shipment is unique. We work closely with you to provide customized shipping solutions to meet your specific requirements. Whether you need to transport crude oil, refined petroleum products, or any other related cargo, Rubix Energy Group is your trusted partner for safe, efficient, and reliable shipping.



Packaging

Our company takes pride in providing a comprehensive range of packaging options to cater to the diverse needs of our customers. Depending on the material and product type, we offer the following packaging solutions:

For Liquid Purpose Materials:

1. *Steel Drums:*

Sturdy and reliable steel drums are available for the safe storage and transportation of liquid materials.

2. *PVC Plastic Drums:*

Our PVC plastic drums provide a durable and corrosion-resistant packaging solution for a variety of liquid substances.

3. *IBC Tank (Intermediate Bulk Container):*

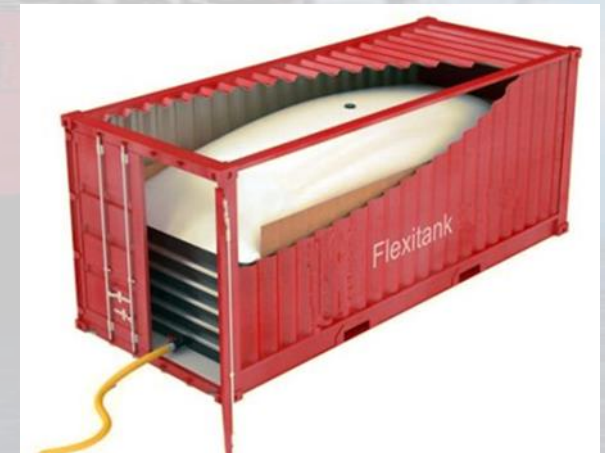
IBC tanks offer a convenient and efficient way to store and transport larger quantities of liquid materials, ensuring ease of handling and secure containment.

4. *Flexi-tank:*

Flexi-tanks are designed to transport bulk liquid cargo efficiently and cost-effectively, ideal for a wide range of liquid products.

5. *ISO Tank:*

ISO tanks are well-suited for the international shipment of liquid goods, ensuring secure and compliant transportation.



Packaging

For Other Materials:

1. ***Plastic Bags:***

We offer plastic bags in various sizes and specifications, suitable for packaging a wide array of non-liquid products.

2. ***Jumbo Bags:***

Jumbo bags, also known as FIBC (Flexible Intermediate Bulk Container) or bulk bags, are a versatile option for handling and transporting bulk and granular materials.



Container Shipping:

20' & 40' Containers: We facilitate container shipping for your products, ensuring secure and efficient transportation via standard-sized 20-foot and 40-foot containers, suitable for various goods.



We understand the significance of appropriate packaging in preserving the quality and integrity of your materials and products. Our wide range of packaging options ensures that we can meet your specific requirements, whether for liquid materials or other types of goods, and support the safe and reliable delivery of your products.



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