

Carnauba Wax

We offer **carnauba wax T1, T3, and T4** that is hardest of all the waxes and is used in various applications like: tablet coating material in **pharmaceutical industry, in chewing gums, sauces, gravies and processed juices and fruits**. It has following specifications:

PROPERTY		Centrifuged Fatty Grey Type 4	Filtered Prime Yellow Type 1	Centrifuged fatty Grey Type 3
Melting Point	Min.	83.0 °C	83.5 °C	83.5 °C
Moisture	%	0.27	0.19	0.25
Impurities	%	0.17	Negligible	Negligible
Acid Number	Min.	9.4	2.9	7.9
Saponification	Min.	87.8	81.4	83.8
Ash content	%	0.12	0.0195	0.07
Color		Dark brown	Light yellow	Light orange



Crude Montan Wax

We manufacture and supply **crude montan wax** popularly known as **lignite wax**. It is extracted by the process of solvent extraction and is commonly used in the making of **car polishes and shoe polishes**. Due to its excellent water resistant properties, it is used as lubricant and for the provision of high gloss. It has following specifications:

TEST	Range	Value	Unit	Method
Solidification Point	79	°C	W 1.1	75 – 80
Acid Value	29	mg KOH/g	W 2.1	22 – 36
Saponification Value	87	mg KOH/g	W 2.2	75 – 100



Fully Refined Paraffin Wax

We manufacture and supply high efficiency **fully refined paraffin wax** that has high grade insulating properties and is

used in making **candles**, **sealing jars**, different types of coatings, in moisturizers, as food grade paraffin in some candies. It has following specifications:

TEST ITEMS	METHODS ASTM	TEST DATA	TEST
MELTING POINT	D 87	'C	58.74
OIL CONTENT	D 721	WT %	0.32
COLOUR	D 156	SAYBOLT	30
NEEDLE PENETRATION	D 1321	1/10MM	15



Gum Resin

We offer high quality **gum resin W/W PHT**, that is used as a raw material for the making of **soaps, paper, paint and rubber**. It can be dissolved in many organic solvents and has following specifications:

SPECIFICATION	STANDARD	RESULT
	SNI 01-5009. 12-2001	
SOFTENING POINT RING AND BALL	X=> 78' C WW => 78' C WG => 76' C N => 74' C	79.5' C
COLOUR BY LOVIBOND COMPARATOR	X/WW/WG/N	WW
IMPURITY/SOLUBILITY IN TOULEN	X = < 0.02% WW = < 0.05% WG = < 0.07% N = < 0.10%	0.03%
ACID VALUE	160-190	186.2
SAPONIFICATION VALUE	170-220	196.69
IODINE VALUE	5-25	11.75
ASH CONTENT	X = < 0.01% WW = < 0.04% WG = < 0.05% N = < 0.08%	0.01%
VOLATILE OIL CONTENT	X = < 2%	1.64%



	WW = < 2% WG = < 2.5 % N = < 3%	
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Hard Microcrystalline Wax

We bring **micro crystalline wax** hard that is chemically stable and is stable. It is insoluble in water and soluble in **organic solvents**. Packed with expertise, it has following specifications:

MELTING G POINT (ASTM D127)	(°F)	:182.1 (83.4)
OIL CONTENT (ASTM D 721)	(°C)	:0.11
COLOR (ASTM 1500)	WT %	: L 0.5



Light Liquid Paraffins

We manufacture **light liquid paraffins** IP/BP that finds a wide usage in **cosmetic and pharmaceutical industry**. It is a **transparent, colourless, oily liquid** and has following specifications:

Sr. No.	TEST	TYPICAL VALUES
1	Description	Transparent Oily Liquid
2	Solubility	Insoluble in water & alcohol, Soluble in ether and chloroform
3	Density @ 29.5°C, g/ml	0.810 to 0.860
4	Kinematic Viscosity @ 40°C	7 c St to 60 c St
5	Cloud Point, °C	Below zero
6	Pour Point, °C	- 9 to - 20<
7	Flash Point, °C	150 to 200



Sr. No.	TEST	TYPICAL VALUES
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1	Description	Transparent Oily Liquid
2	Solubility	Insoluble in water & alcohol, Soluble in ether and chloroform
3	Density @ 29.5°C, g/ml	0.860 to 0.880
4	Kinematic Viscosity @ 40°C	60 c St to 120 c St
5	Cloud Point, °C	Below zero
6	Pour Point, °C	- 9 to - 20
7	Flash Point, °C	200 to 260

Microcrystalline Wax

We bring highly refined **micro crystalline wax** soft that is commonly used in modelling and in jewellery casting. This type of wax is more flexible and has a higher melting point than the paraffin. It has following specifications.

PROPERTY	TEST METHOD	UNITS	MICRO WAX-2305
Melting Point	ASTM D – 127	°C	77 / 82
Penetration @ 25°C	ASTM D – 1321	0.1 mm	25 / 35
Viscosity @ 98.8°C	ASTM D – 445	cSts	12.-16
Flash Point	ASTM D – 92	°C	250
Colour	ASTM D – 1500		Light Yellow



Microcrystalline Wax Additive

TEST METHODS	ASTM METHOD	SPECIFICATION		
		Minimum	Maximum	TYPICAL
Drop Melt	D 127	175 (79.4)	190 (87.8)	181 (82.8)

Point 'F (°C)				
Kinematic Viscosity, cSt @ 212°F (100°C)	D 445	17	-----	-----
Oil Content, Wt%	D 721	-----	2	-----
Saybolt Color	D 6045	16	-----	-----
Odor	D 1833	-----	2	-----
Needle Penetration, dmm @ 77°F (25°C)	D 1321	12	20	16



TEST METHODS	ASTM METHOD	SPECIFICATION		TYPICAL
		Minimum	Maximum	
Drop Melt Point 'F (°C)	D 127	165 (73.9)	177 (80.6)	171 (77.2)
Kinematic Viscosity, cSt @ 212°F (100°C)	D 445	13.8	17.25	17.25
Oil Content, Wt%	D 721	-----	2.5	1.0
Saybolt Color	D 6045	16	-----	-----
Needle Penetration, dmm @ 77°F (25°C)	D 1321	20	30	26

Pattern Wax

We offer high quality **pattern wax** jewellery casting that is commonly used in making moulds for different jewellery items. It has following specifications:

Sr. No.	TEST	TYPICAL VALUES
1	Description	Transparent Oily Liquid
2	Solubility	Insoluble in water & alcohol, Soluble in ether and chloroform
3	Density @ 29.5â€™C, g/ml	0.860 to 0.880
4	Kinematic Viscosity @ 40â€™C	60 c St to 120 c St
5	Cloud Point, â€™C	Below zero
6	Pour Point, â€™C	- 9 to - 20<
7	Flash Point, â€™C	200 to 260



Polyethylene Wax

We bring premium quality polyethylene wax in both oxidised and non oxidized form mainly used in fabric softening additives, traffic lane paints, additives in printing ink and paint, and as an additive of jelly compound of electric cable. It has following specifications: **Polyethylene Wax Non Oxidized M300**

Mettler Drop Melting Point	ASTM	RESULT
Viscosity, mPas @ 300 F (25 C)	D-3954	240 F 5 118 C
Needle Penetration, dmm	D-3236	20-40
@ 77 F (25 C)		
@ 103 F (54 C)		
Density, gms/cc	D-1321	2 Max
FDA Status	D-1505	19Max
Passes 21 CFR 172.888 and 21 CFR 178.3720		0.94



The above information is derived from manufacture's quality checks. It does not relieve the purchaser from examining the product delivery and gives no assurance of suitability of the

product for any particular purpose. **TYPICAL PROPERTIES OF THE POLYETHYLENE WAX-OXIDIZED WAX M3500**

Properties	M-3500
Viscosity @ 149 Deg. C, cps	15 ~ 40
Mettler Drop Point, Deg. C	112
Density, gms/cc	0.97
Penetration in dmm	8-Apr
Melt Peak, Deg. C	109
Acid No. mgms KOH/gm	24

The above information is derived from manufacture’s quality checks. It does not relieve the purchaser from examining the product delivery and gives no assurance of suitability of the product for any particular purpose.

Refined Paraffin Wax

We bring highly **refined paraffin wax type-1** that is used in moisturizers and other cosmetic applications. It is chemically stable and insoluble in water. It has following specifications and features:

MELTING POINT ‘F (ASTM D 87)	: 137.6
OIL CONTENT WT % (ASTM D 721)	: 0.20
COLOR SAYBOLT (ASTM D 156)	: 30
U.V.ABSORBANCE (FDA 178, 3710 {B})	: PASS



Semi Refined Paraffin Wax

We also manufacture **semi refined paraffin wax** that possesses a low oil content and is highly stable. It is used in the making of **carbon paper, stencil paper, precision casting, cold creams and various types of candles**. This type of wax has following specifications:

Melting Point (‘C)	55.1
Oil Content	0.96
Colour n’. (Saybolt)	29

Light stability n'	3
Penetration (25°C, 100mg) 1/10mm	18
Odor n'	1
Mechanical impurities	NIL
Water content	NIL
Water soluble acid or alkali	NIL

