

Paraffin wax 3-5

➤ Product Description

Paraffin wax (or petroleum wax) is a soft colorless solid derived from petroleum, coal, or oil shale that consists of a mixture of saturated hydrocarbon molecules containing between 20 and 40 carbon atoms.

➤ Application

Candle, T-light, Crayon, Textile, Battery, Precision Casting, Knitting, Metal plating, Telecommunication and leather industry,

➤ Characteristics

No	CHARACTERISTIC	ACCEPTED LIMIT	
1	Appearance BP 2022	Colorless or white or almost white mass; the melted substance is free from fluorescence in daylight	
2	Solubility BP 2022	Practically insoluble in water, freely soluble in methylene chloride, practically insoluble in ethanol (96 percent)	
3	Oil content % ASTM D-721	3-5	
4	Odor	Odorless	-
5	Kinematic Viscosity @100 °C ASTM D-445	6-8	cSt
6	Color Lovibond IP 17 cell 2"	0.1-0.5	Y
7	Drop Melting Point ASTM D-127	60-70	°C
8	Congealing point ASTM D-938	60-70	°C
9	Flash Point ASTM D-92	Min 180	°C
10	Needle Penetration ASTM D-1321	--	-
11	Acidity or Alkalinity BP 2022	Not more than 0.5 mL of 0.01 M hydrochloric acid is required to change the color of the indicator to red.	
12	Polycyclic Aromatic Hydrocarbons BP 2022	Absorbance of test solution remains < 1/3rd that of reference solution at 275 nm, throughout 260 – 420 nm wavelengths	
13	Sulphates BP 2022	Maximum 150	ppm

➤ Packing

25 KG carton box and/or PE laminated bag

➤ Storage

Protect from light

Heat- sensitive

Paraffin will be shipped in bags or boxes and has to be stowed in a cool sun-protected place.