Paraffin 133-137

Paraffin 133-137 produced by Eni is a fully refined paraffin wax, obtained through modern refining processes of appropriate crude oil streams which provide a high quality product. A further two grades are available with a different melting range: 118-122 and 122-126.

Eni fully refined paraffin waxes are translucent white color, not-tackiness hard waxes with excellent properties in terms of: total absence of impurities, oil content less than 0.65% wt, insolubility in water and in acids, poor reactivity at room temperature, good waterproofing, low electrical and thermal conductivity.

The name refers to the melting point range expressed in °F.

PROPERTIES

Properties	Unit	Values		Method
		Min	Max	
Appearance	-	Solid		
Colour	-	30		ASTM D 156
Melting point	°F	133	137	ASTM D 87
Oil content	% (m/m)		0.65	ASTM D 721
Sulphur	mg/kg		20	EN ISO 14596
Needle penetration at 25°C	0.1 mm		18	ASTM D 1321
UV absorbance:	-			FDA 21 CFR 172.886 (b)
280-289	Abs/cm		0.15	
290-299	Abs/cm		0.12	
300-359	Abs/cm		0.08	
360-400	Abs/cm		0.02	
Odour:	-			ASTM D 1833
- solvents or oxidation products	-		0	
- other odours	-		2	

- U.V. Absorbance: according to ordinary supplement of Italian Official Bullettin n° 104 of 20/04/197 and FDA 21 CFR 172.886 (b).
- Compliance with the requirements of RAL-GZ 041, Appendix 1 .

Paraffin 133-137

APPLICATIONS

- Raw material in production of several finished products: candles, polishes and pastels.
- Auxiliary components in different manufactured processes: wax blends, rubbers, plastics, emulsions and adhesives.
- Additive improving characteristics of the materials: papers, cartons, cables and electrical conduits.

FURTHER INFORMATION

- **Paraffin 133-137** is subjected to a further step of catalytic hydrogenation under controlled operating conditions which improves the chemical stability.
  In this way the final paraffin complies with limits of GU n° 104-20/04/1973 at UV absorbance, tested according to FDA 21 CFR 172.886 (b) and with requirements of RAL GZ 041, Appendix 1.
- Eni product line includes also three typologies of petrolatum, a special hydrogenated white petrolatum and a slack wax.

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