

POWEROIL PEARL H 500 ULTIMA

Meets the requirements of following Specifications :

- USA FDA 21 CFR 172.878, White Mineral Oil, for use in or on food for human consumption.
- USA FDA 21 CFR 178.3620 (a), White Mineral Oil, for use as a component of non-food articles intended for use in contact with food for human consumption.
- US Pharmacopeia (most recent edition) - Mineral Oil.
- Europe Regulation (EU) 10/2011 on plastic material and articles intended to come into contact with foodstuff, White mineral oil.
- INCI name (Europe): Paraffinum Liquidum

Sr.No.	Characteristics	Test Method	Typical Values	Specification	
				Min.	Max.
1	Appearance	Visual		Clear & Bright	
2	Odour	Olfactory		Absent	
3	Color, Saybolt	ASTM D 6045		+ 30	-
4	Density at 20°C, gm/ml	ASTM D 1298		0.860	0.875
5	Kinematic Viscosity at 40°C, cSt	ASTM D 445/D 7042		90	110
6	Kinematic Viscosity at 100°C, cSt	ASTM D 445/D 7042		10	-
7	Flash Point, (COC), °C	ASTM D 92		250	-
8	Pour Point, °C	ASTM D 97		-	-9
9	Refractive Index, nD20	ASTM D 1218		1.470	1.480
10	Average Molecular Weight	ASTM D 2502		500	-
11	Hydrocarbon with less than 25 carbons, wt %	ASTM D 6352		-	5
12	Volatility @ 10 mm Hg, temp (°C) at which	ASTM D 1160			
	5 % off		302	290	-

	10 % off		310	295	-
13	Paraffinic / Naphthenic / Aromatic	ASTM D 2140	68/32/0	-	-

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Applications

Poweroil Pearl H 500 Ultima can be used in a variety of food-related, cosmetic and pharmaceutical applications subject to the applicable laws and regulations in each country (*).

Thermoplastics/Polymer applications

Poweroil Pearl H 500 Ultima is used for producing food-contact or medical rubber articles such as EPDM or butyl rubber. It is particularly well suited for the extension of Thermoplastic Elastomers (TPE), such as SBS, SEBS, SEPS and PS.

Elastomers and Adhesives

Poweroil Pearl H 500 Ultima is also recommended for Hot-Melt Adhesives formulations used in sanitary products.

Cosmetics and Pharmaceuticals

Poweroil Pearl H 500 Ultima has many well-established applications in the pharmaceutical industry, like laxative jellies and ointments, and is also recommended as a component for many cosmetic products, such as creams and body lotions.

(*) User must check compliance with applicable regulations

