



Data Sheet

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Product name

Shell GTL Sarawax SX50

Product category

Synthetic Paraffin Wax

Description

Shell GTL Sarawax SX50 (also known as SX50) is a synthetic paraffin wax consisting of linear alkane molecules polymerized from natural gas via Fischer-Tropsch synthesis. Being essentially an alkane material, Shell GTL Sarawax SX50 is stable and shows a good resistance towards oxidation. It can however be functionalized if required.

Shell GTL Sarawax SX50 does not dissolve in water and has a melting point in the range of 54°C –56 °C. Being a gas-to-liquid (GTL) product, Shell GTL Sarawax SX50 contains zero sulphur and is virtually free from nitrogen, aromatics and heavy metals.

Shell GTL Sarawax SX50 complies with the requirements of 21 Code of Federal Regulations: Parts 172.886 (purity compliance), 172.888 (b, c & d compliance), 175.105 (adhesives), 175.250 (coatings), 175.300 (coatings), 176.170 (paperboard), 176.180 (paperboard), 177.1200 (cellophane), 177.1210 (sealing), 177.1390 (laminates), 178.3710 (purity compliance) and 178.3720 (b, c & d compliance per 172.888).

Shell GTL Sarawax SX50 is assigned with the INCI (International Nomenclature of Cosmetic Ingredient) name of Synthetic Wax.

Physical Properties

Property	Unit	Test Method	Specification	Typical
Appearance			White solid at ambient temperature.	
Congeeing Point	°C	ASTM D938	52 min, 56 max	54 to 56
Saybolt Colour		ASTM D156	+25 min	+30
Odour			Report	< 1.0
Oil Content @ -32°C	%m	ASTM D721	2.5 max	2.2 to 2.4
Penetration @ 25°C	0.1 mm	IP 376	40 max	27-29
Kinematic Viscosity @ 100 °C	mm ² /s	ASTM D445	Report	3.3-3.5
UV Absorptivity	L/gcm	ASTM D2008	Report	< 0.01

Emergency helpline

+60 (86) 292 222

Refer to the telephone numbers in the Material Safety Data Sheet for emergency and technical support.

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