



Data Sheet

Issued July 2021

Product name

Shell GTL Sarawax SX110

Product category

Synthetic Hard Paraffin Wax

Description

Shell GTL Sarawax SX110 (also known as SX110) is a premium synthetic hard paraffin wax consisting of linear alkane molecules polymerized from natural gas via Fischer-Tropsch synthesis. Being essentially an alkane material, Shell GTL Sarawax SX110 is stable and shows a good resistance towards oxidation. It can however be functionalized if required.

Shell GTL Sarawax SX110 does not dissolve in water and has a high melting point in the range of 106°C – 110°C. Being a gas-to-liquid (GTL) product, Shell GTL Sarawax SX110 contains zero sulphur and is virtually free from nitrogen, aromatics and heavy metals.

Shell GTL Sarawax SX110 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).

Physical Properties

Property	Unit	Test Method	Specification	Typical
Appearance			White solid at ambient temperature.	
Congealing Point	°C	ASTM D938	106 min	106-110
Saybolt Colour		ASTM D156	+25 min	+30
Odour			2.0 max	Odourless
Oil Content @ -32°C	%m	ASTM D721	0.5 max	0
Penetration @ 25°C	0.1 mm	IP 376	Report	<1
Kinematic viscosity @ 130°C	mm ² /s	ASTM D445	Report	28-35
Drop Melting Point	°C	ASTM D127	125 max	118 -120
UV Absorptivity	L/gcm	ASTM D2008	0.01	< 0.01

Emergency helpline

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

Shell Warranties

The information contained in this publication is to the best of our knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use are beyond our control.

Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

SHELL MDS (M) Sdn Bhd makes no representation and extends no warranty or condition, express or implied, and assumes no liability (whether in contract, tort or otherwise) with respect to the completeness, utility or accuracy of any product; merchantability or fitness for a particular purpose; descriptions of the product are for the sole purpose of product identification and do not imply or express any warranty.