



## Data Sheet

Issued Feb 2021

Product name	<b>Shell GTL Sarawax SX105</b>																																																			
Product category	<b>Synthetic Hard Paraffin Wax</b>																																																			
Description	<p>Shell GTL Sarawax SX105 (also known as SX105) is a 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 SX105 is stable and shows a good resistance towards oxidation. It can however be functionalized if required.</p> <p>Shell GTL Sarawax SX105 does not dissolve in water and has a high melting point in the range of 100°C – 107°C. Being a gas-to-liquid (GTL) product, Shell GTL Sarawax SX105 contains zero sulphur and is virtually free from nitrogen, aromatics and heavy metals.</p> <p>Shell GTL Sarawax SX105 complies with the requirements of 21 Code of Federal Regulations: Parts 172.886 (purity compliance), 172.888 (b, c &amp; 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 &amp; d compliance per 172.888).</p> <p>Shell GTL Sarawax SX105 is assigned with the INCI (International Nomenclature of Cosmetic Ingredient) name of Synthetic Wax.</p>																																																			
Physical Properties	<table border="1"> <thead> <tr> <th>Property</th> <th>Unit</th> <th>Test Method</th> <th>Specification</th> <th>Typical</th> </tr> </thead> <tbody> <tr> <td>Appearance</td> <td></td> <td></td> <td>White solid at ambient temperature.</td> <td></td> </tr> <tr> <td>Congeeing Point</td> <td>°C</td> <td>ASTM D938</td> <td>101 min, 108 max</td> <td>102 - 105</td> </tr> <tr> <td>Saybolt Colour</td> <td></td> <td>ASTM D156</td> <td>+25 min</td> <td>+30</td> </tr> <tr> <td>Odour</td> <td></td> <td></td> <td>2.0 max</td> <td>Odourless</td> </tr> <tr> <td>Oil Content @ -32°C</td> <td>%m</td> <td>ASTM D721</td> <td>0.5 max</td> <td>0</td> </tr> <tr> <td>Penetration @ 65°C</td> <td>0.1 mm</td> <td>IP 376</td> <td>12 max</td> <td>4 - 9</td> </tr> <tr> <td>Kinematic viscosity @ 130°C</td> <td>mm<sup>2</sup>/s</td> <td>ASTM D445</td> <td>25 max</td> <td>15 - 20</td> </tr> <tr> <td>Drop Melting Point</td> <td>°C</td> <td>ASTM D127</td> <td>120 max</td> <td>112-118</td> </tr> <tr> <td>UV Absorptivity</td> <td>L/gcm</td> <td>ASTM D2008</td> <td>0.01</td> <td>&lt; 0.01</td> </tr> </tbody> </table>	Property	Unit	Test Method	Specification	Typical	Appearance			White solid at ambient temperature.		Congeeing Point	°C	ASTM D938	101 min, 108 max	102 - 105	Saybolt Colour		ASTM D156	+25 min	+30	Odour			2.0 max	Odourless	Oil Content @ -32°C	%m	ASTM D721	0.5 max	0	Penetration @ 65°C	0.1 mm	IP 376	12 max	4 - 9	Kinematic viscosity @ 130°C	mm <sup>2</sup> /s	ASTM D445	25 max	15 - 20	Drop Melting Point	°C	ASTM D127	120 max	112-118	UV Absorptivity	L/gcm	ASTM D2008	0.01	< 0.01	
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Emergency helpline	Refer to the telephone numbers in the Safety Data Sheet for emergency and technical support.																																																			
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