



Data Sheet

Issued July 2021

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|---------------------|---|--------------------|-------------------------------------|----------------------|----------------|
| Product name | Shell GTL Sarawax SX90 | | | | |
| Product category | Synthetic Hard Paraffin Wax | | | | |
| Description | <p>Shell GTL Sarawax SX90 (also known as SX90) is a premium narrow cut 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 SX90 is stable and shows a good resistance towards oxidation. It can however be functionalized if required.</p> <p>Shell GTL Sarawax SX90 does not dissolve in water and has a high melting point in the range of 88°C – 95°C. Being a gas-to-liquid (GTL) product, Shell GTL Sarawax SX90 contains zero sulphur and is virtually free from nitrogen, aromatics and heavy metals.</p> <p>Shell GTL Sarawax SX90 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).</p> | | | | |
| Physical Properties | Property | Unit | Test Method | Specification | Typical |
| | Appearance | | White solid at ambient temperature. | | |
| | Congeeing Point | °C | ASTM D938 | 88 min | 90-95 |
| | 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 | 5 |
| | Kinematic viscosity @ 130°C | mm ² /s | ASTM D445 | Report | 7-10 |
| | Drop Melting Point | °C | ASTM D127 | 103 max | 90-99 |
| | 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 | <p>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.</p> <p>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.</p> <p>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.</p> | | | | |