

Sasolwax H1 Fischer-Tropsch Hard Wax for PVC Processing



SASOL

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Sasol's Fischer-Tropsch hard waxes are synthetically produced by using gas-to-liquids (GTL) technology, in which Sasol is globally recognised as a commercial and technical pioneer. The GTL process uses natural gas to produce premium Fischer-Tropsch hard waxes.

Sasolwax H1 has been widely proven in the industry as being an excellent external lubricant for use during PVC processing. The linear molecule structure and the low viscosity of **Sasolwax H1** ensure ideal processing of the PVC material by:

- Efficiently controlling the fusion of PVC by increasing the fusion time and reducing the fusion torque
- Providing a metal release effect by preventing the PVC melt from sticking on the metal surface
- Allowing for exceptional consistency in batch processes
- Reducing the formation of hot spots resulting in thermal degradation
- Improving surface gloss
- Reducing energy consumption
- Increasing production yield, reduces scrap

Available forms of supply

SUPPLY FORMS	5 KG BAG	20 KG BAG	500 KG BAG	600 KG BAG
Coarse powder		•		•
Flakes	•		•	
Pastilles		•		•

WAX PROPERTIES	UNITS	TEST METHOD	SPECIFICATION	TYPICAL VALUES
Congealing point	°C (°F)	ASTM D 938	96 – 100 (205 – 212)	97 (207)
Drop melting point	°C (°F)	ASTM D 3954	–	112 (234)
Brookfield viscosity at 135°C (275 °F)	cP	Sasol 1010	6 – 10	8
Penetration at 25 °C (77 °F)	0.1 mm	ASTM D 1321	1 max	1
Penetration at 65 °C (149 °F)	0.1 mm	ASTM D 1321	20 max	18
Colour	Saybolt	Sasol 2000	+ 15 min	+ 22
Oil content (MEK Solubles)	mass %	ASTM D 721	–	< 0.2
Molecular weight	Dalton	–	–	880

The specifications of **Sasolwax H1** are secured through our highly developed production technology. The management system including production is certified according to ISO 9001, ISO 14001 and OHSAS 18001.

Sasolwax H1 complies with the following regulations:

- **FDA CFR 21:**

§172.615 “Chewing Gum Base”

§175.105 “Adhesives”

§175.250 “Paraffin (synthetic)”

§175.300 “Resinous and polymeric coatings”

§175.320 “Resinous and polymeric coatings for polyolefin films”

§176.170 “Components of paper and paperboard in contact with aqueous and fatty foods”

§176.180 “Components of paper and paperboard in contact with dry food”

§177.1200 “Cellophane”

§177.1390 “Laminate structures for use at temperatures of 250 °F and above”

- **Commission Regulation (EU) No 10/2011** on plastic materials and articles intended to come into contact with food: product is in compliance with the specification of Ref. No. 95859 Waxes, refined, derived from petroleum based or synthetic hydrocarbon feedstocks, high viscosity.

- **Recommendation of the BfR** (German Federal Institute for Risk Assessment) XXV, Part C, (Synthetische Hartparaffine)

- **European specifications for food additives according to E905**

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