

Phillips Sumika Marlex® CHP-275 Thermoplastic Polyolefin (discontinued **)

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Engineered Thermoplastic Polyolefin. Applications: Automotive Head and Side Impact Trim Conditioning after Molding: 48 hr at 23°C, 48 hr at 90°C Nominal Shrinkage: 0.7-0.9%, 0.8-1.1% Drying conditions Temperature: 80-100°C Time: 2 hours minimum, 4 hours maximum Device: Desiccant Dryer Moisture content: 0.1 wt% max. Molding Temperatures Rear Temperature: 145-200°C Middle Temperature: 210-235°C Front and Nozzle Temps: 210-235°C Stock Temperature: 191-246°C Mold Temperature: 23-50°C Processing conditions Suggested shot size: 50-70% First stage injection pressure: Maximize Screw Speed: 30-60% Packing pressure: Minimize Back Pressure: 50-150 psi Other molding considerations: Melt temperature above 260°C may cause resin degradation and changes to resin properties. To improve dispersion of color concentrates use a screw with a mixing zone or mixing nozzle. Phillips Sumika Polypropylene Company has been shut down, as announced in 2011. This product had been discontinued prior to the shutdown announcement.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-Sumika-Marlex-CHP-275-Thermoplastic-Polyolefin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.967 g/cc	0.0349 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0070 - 0.0090 cm/cm	0.0070 - 0.0090 in/in	conditioned 48 hrs at 23°C
	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	conditioned 48 hrs at 90°C
Melt Flow	28 g/10 min	28 g/10 min	ISO 1133
	@Temperature 230 °C	@Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.7 MPa	2710 psi	50 mm/min; ISO 527
Flexural Modulus	1.43 GPa	207 ksi	2.0 mm/min; ISO 178
Izod Impact, Notched (ISO)	47.0 kJ/m ²	22.4 ft-lb/in ²	ISO 180
	5.20 kJ/m ²	2.47 ft-lb/in ²	ISO 180
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	98.0 °C	208 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	ISO 75

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China