

Lanxess Durethan® DP 1441/40 H2.0 EF 900116 Nylon 6, 40% Glass Fiber + Mineral

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Glass/Mineral Reinforced

Material Notes:

PA 6, injection molding grade, 40% glass fibers/mineral, good heat-ageing resistance, good surface, good flowability (Easy Flow), low warpage

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-DP-144140-H20-EF-900116-Nylon-6-40-Glass-Fiber-Mineral.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0520 lb/in ³	ISO 1183
Melt Flow	86 g/10 min @Load 5.00 kg, Temperature 270 °C	86 g/10 min @Load 11.0 lb, Temperature 518 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	Conditioned; ISO 527-1/-2
	135 MPa	19600 psi	ISO 527-1/-2
Elongation at Break	2.8 %	2.8 %	ISO 527-1/-2
	8.7 %	8.7 %	Conditioned; ISO 527-1/-2
Tensile Modulus	4.50 GPa	653 ksi	Conditioned; ISO 527-1/-2
	8.50 GPa	1230 ksi	ISO 527-1/-2
Charpy Impact Unnotched	4.00 J/cm ² @Temperature -30.0 °C	19.0 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	4.00 J/cm ² @Temperature 23.0 °C	19.0 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
	4.50 J/cm ² @Temperature -30.0 °C	21.4 ft-lb/in ² @Temperature -22.0 °F	Conditioned; ISO 179/1eU
	6.50 J/cm ² @Temperature 23.0 °C	30.9 ft-lb/in ² @Temperature 73.4 °F	Conditioned; ISO 179/1eU
	0.500 J/cm ²	2.38 ft-lb/in ²	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature 23.0 Â°C	English @ Temperature 73.4 Â°F	ISO 179/1eA Comments
	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	Conditioned; ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 Âµm/m-Â°C	16.7 Âµin/in-Â°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	90.0 Âµm/m-Â°C	50.0 Âµin/in-Â°F	ISO 11359-1/-2
Melting Point	222 Â°C	432 Â°F	10Â°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	215 Â°C	419 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 Â°F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	HB	HB	IEC 60695-11-10
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Descriptive Properties	Value	Comments
Additives	Release agent	
Features	Heat stabilized or stable to heat	
Form	Pellets	
ISO Shortname	ISO 1874-PA 6, MH,10-090,GFM40	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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