

Schwartz Technical Plastics LAMIGAMIDÂ® 400 Cast Polyamide 6, Elastomer Modified, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Cast

Material Notes:

Application: gear-wheels, chain-wheels, hydrocyclones, housings, outrigger floats
Information provided by Schwartz Technical Plastics GmbH

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schwartz-Technical-Plastics-LAMIGAMID-400-Cast-Polyamide-6-Elastomer-Modified-Dry.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/inÂ³	ISO R 1183
Moisture Absorption at Equilibrium	2.3 %	2.3 %	DIN 53473

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	<= 100 MPa	<= 14500 psi	Hc 30; ISO 2039; partially
Tensile Strength, Yield	45.0 - 60.0 MPa	6530 - 8700 psi	ISO-DIS 527
Tensile Modulus	>= 1.30 GPa	>= 189 ksi	DIN 53457
Flexural Strength	<= 50.0 MPa	<= 7250 psi	DIN 54352
Flexural Modulus	<= 2.00 GPa	<= 290 ksi	DIN 53457
Izod Impact, Notched (ISO)	>= 10.0 kJ/mÂ²	>= 4.76 ft-lb/inÂ²	ISO 180-1A
Izod Impact Resistance	NB	NB	swinging hammer 0,1 DIN 51222; DIN 53453
Tear Strength Test	>= 0.45	>= 0.45	ISO-DIS 527

Thermal Properties	Metric	English	Comments
CTE, linear	100 - 150 Âµm/m-Â°C @Temperature 20.0 - 100 Â°C	55.6 - 83.3 Âµin/in-Â°F @Temperature 68.0 - 212 Â°F	DIN 53752
Melting Point	210 - 218 Â°C	410 - 424 Â°F	ISO R 1218
Maximum Service Temperature, Air	80.0 Â°C	176 Â°F	Continuous
Deflection Temperature at 0.46 MPa (66 psi)	180 - 195 Â°C	356 - 383 Â°F	V-notch; ISO R 75
Minimum Service Temperature, Air	-40.0 Â°C	-40.0 Â°F	Continuous

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