

Schwartz Technical Plastics LAMIGAMIDÂ® 410 Cast Polyamide 6, Elastomer Modified, Low Temp, Dry

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

Material Notes:

Application: outrigger floats, rollers
Information provided by Schwartz Technical Plastics GmbH

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schwartz-Technical-Plastics-LAMIGAMID-410-Cast-Polyamide-6-Elastomer-Modified-Low-Temp-Dry.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO R 1183
Moisture Absorption at Equilibrium	2.3 %	2.3 %	DIN 53473

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	70.0 MPa	10200 psi	Hc 30; ISO 2039; partially
Tensile Strength, Yield	40.0 MPa	5800 psi	ISO-DIS 527
Tensile Modulus	1.50 GPa	218 ksi	DIN 53457
Flexural Strength	20.0 MPa	2900 psi	DIN 54352
Flexural Modulus	1.30 GPa	189 ksi	DIN 53457
Izod Impact, Notched (ISO)	45.0 kJ/m ²	21.4 ft-lb/in ²	ISO 180-1A
Izod Impact Resistance	NB	NB	swinging hammer 0,1 DIN 51222; DIN 53453
Tear Strength Test	>= 1.8	>= 1.8	ISO-DIS 527

Thermal Properties	Metric	English	Comments
CTE, linear	100 - 180 Âµm/m-Â°C	55.6 - 100 Âµin/in-Â°F	DIN 53752
	@Temperature 20.0 - 100 Â°C	@Temperature 68.0 - 212 Â°F	
Melting Point	205 Â°C	401 Â°F	ISO R 1218
Maximum Service Temperature, Air	60.0 Â°C	140 Â°F	Continuous
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C	320 Â°F	V-notch; ISO R 75
Minimum Service Temperature, Air	-50.0 Â°C	-58.0 Â°F	Continuous

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