

LAMIGAMID® 410

Polyamide 6 Alloy

Schwartz Technical Plastic

Message:

Elastomer modified for temperatures down to -50°C

Applications:

Outrigger Floats

Rollers

General Information			
Uses	Roller		
Forms	Particle		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm ³	ISO 1183
Water Absorption (23°C, 24 hr)	2.3	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	70.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	40.0	MPa	ISO 527-2
Fracture	20.0	MPa	ISO 527-2
Tensile Strain (Break)	> 180	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	kJ/m ²	ISO 180
Unnotched Izod Impact Strength	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	160	°C	ISO 75-2/B
Melting Temperature (DSC)	205	°C	ISO 3146
CLTE - Flow (20 to 100°C)	1.0E-4 - 1.8E-4	cm/cm/°C	ISO 11359-2
Additional Information			

Safe Temperature Range, permanent: -50° to 60°C

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