

EMS-Grivory Grivory® L 25 W 20 Y PA12-I

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Product Description: Grilamid L 25 W 20 Y black 9992 is a semiflexible plasticized, medium viscosity, extrusion grade of Polyamide 12 (PA12). Grilamid L 25 W 20 Y black 9992 is impact modified, heat and UV stabilized. The main features of Grilamid L 25 W 20 Y black 9992 are: High burst pressureExceptional impact strength also at low temperaturesComplies with the requirements of DIN 73378 class PA12 PHLYSemi-flexibleUV and heat stabilityGood chemical resistanceLow density, low weightEasy processing Application examples: Grilamid L 25 W 20 Y black 9992 is particularly suitable for the production of semiflexible tubes requiring good cold temperature impact strength with high burst pressure for use in automotive and industrial applications.Information provided by EMS Grivory

Order this product through the following link:

http://www.lookpolymers.com/polymer_EMS-Grivory-Grivory-L-25-W-20-Y-PA12-I.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	ISO 1183
Water Absorption	1.5 %	1.5 %	ISO 62
Moisture Absorption	0.700 %	0.700 %	ISO 62
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.012 cm/cm	0.012 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	conditioned, 15s; ISO 868
Tensile Strength at Break	40.0 MPa	5800 psi	conditioned; ISO 527-1/-2
Tensile Strength, Yield	30.0 MPa	4350 psi	
Elongation at Break	>= 50 %	>= 50 %	conditioned; ISO 527-1/-2
	>= 50 %	>= 50 %	dry; ISO 527-1/-2
Elongation at Yield	20 %	20 %	conditioned; ISO 527-1/-2
Tensile Modulus	0.500 GPa	72.5 ksi	conditioned; ISO 527-1/-2
Charpy Impact Unnotched	NB	NB	dry; ISO 179/1eU
	NB	NB	conditioned; ISO 179/1eU
	NB	NB	dry; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
	NB	NB	conditioned; ISO 179/1eU

Mechanical Properties	Metric @ Temperature 30.0 °C	English @ Temperature 86.0 °F	Comments
Charpy Impact, Notched	NB	NB	conditioned; ISO 179/1eA
	0.700 J/cm² @ Temperature 30.0 °C	3.33 ft-lb/in² @ Temperature 86.0 °F	conditioned; ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	140 µm/m-°C	77.8 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	180 µm/m-°C	100 µin/in-°F	ISO 11359-1/-2
Melting Point	178 °C	352 °F	10°C/min; ISO 11357-1/-3
Maximum Service Temperature, Air	80.0 - 110 °C	176 - 230 °F	long term; EMS
	150 °C	302 °F	short term; EMS
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	45.0 °C	113 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	conditioned; IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093
Dielectric Strength	32.0 kV/mm	813 kV/in	conditioned; IEC 60243-1
Comparative Tracking Index	600 V	600 V	conditioned; IEC 60112

Descriptive Properties	Value	Comments
Additives	Plasticizer	
Automotive	Air intake sytems	
	Compressed air systems	
	Fuel systems	
	Hydraulic systems	
Form	Granules	
Industry & Consumer goods	Hydraulics & Pneumatics	

Processing Descriptive Properties	Other Extrusion Value	Comments
Product Attributes	Flexible	
	High viscosity	
Special Characteristics	High impact or impact modified	
	Improved heat resistance	
	Improved UV resistance (outdoor use)	

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