

EMS-Grivory Grivory® L 25 W 40 NZ PA12-I

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Product Description: Grilamid L 25 W 40 NZ is a flexible, plasticized, high viscosity extrusion grade of Polyamide 12 (PA12). Grilamid L 25 W 40 NZ is impact modified and heat and UV stabilized. The main features of Grilamid L 25 W 40 NZ are: Exceptional impact strength, also at low temperatures Flexibility UV and heat stability Low density, low weight Easy processing Application examples: Grilamid L 25 W 40 NZ is suitable for the production of flexible tubes and profiles requiring good low temperature impact strength 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-40-NZ-PA12-I.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Water Absorption	1.4 %	1.4 %	ISO 62
Moisture Absorption	0.700 %	0.700 %	ISO 62

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	25.0 MPa	3630 psi	conditioned; ISO 2039-1
Tensile Strength at Break	30.0 MPa	4350 psi	conditioned; ISO 527-1/-2
	45.0 MPa	6530 psi	dry; ISO 527-1/-2
Tensile Strength, Yield	20.0 MPa	2900 psi	conditioned; ISO 527-1/-2
Elongation at Break	>= 50 %	>= 50 %	conditioned; ISO 527-1/-2
	>= 50 %	>= 50 %	dry; ISO 527-1/-2
Elongation at Yield	45 %	45 %	conditioned; ISO 527-1/-2
Tensile Modulus	0.250 GPa	36.3 ksi	conditioned; ISO 527-1/-2
	0.300 GPa	43.5 ksi	dry; 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
	@Temperature 30.0 °C	@Temperature 86.0 °F	

Mechanical Properties	Metric	English	Comments
	NB	NB	conditioned; ISO 179/1eA
	1.20 J/cm ² @Temperature 30.0 °C	5.71 ft-lb/in ² @Temperature 86.0 °F	dry; ISO 179/1eU
	1.30 J/cm ² @Temperature 30.0 °C	6.19 ft-lb/in ² @Temperature 86.0 °F	conditioned; ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	173 °C	343 °F	10°C/min; ISO 11357-1/-3
Maximum Service Temperature, Air	80.0 °C	176 °F	long term; EMS
	110 °C	230 °F	short term; EMS
Deflection Temperature at 0.46 MPa (66 psi)	50.0 °C	122 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	40.0 °C	104 °F	ISO 75-1/-2

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	Compressed air systems	
	Fuel systems	
Form	Granules	
Industry & Consumer goods	Hydraulics & Pneumatics	
Processing	Other Extrusion	
Product Attributes	Flexible	
	High viscosity	

Special Characteristics Descriptive Properties	High impact or impact modified Value	Comments
	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