

EMS-Grivory Grivory® L 25 W 40 ESD PA12

Category : Polymer , Thermoplastic , Nylon , Nylon 12

Material Notes:

Product Description: Grilamid L 25 W 40 ESD is a high viscosity, anti-static highly flexible extrusion grade of Polyamide 12 (PA12). Grilamid L 25 W 40 ESD is plasticized and heat stabilized The inherent color of this material is black. The main features of Grilamid L 25 W 40 ESD are: Anti-staticHighly flexibleGood heat stabilityGood dimensional stabilityEasy processingLow density, low weight Application examples: Grilamid L 25 W 40 ESD is suitable for the production of highly flexible tubes and profiles having anti-static properties 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-ESD-PA12.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Water Absorption	1.1 %	1.1 %	ISO 62
Moisture Absorption	0.600 %	0.600 %	ISO 62
Linear Mold Shrinkage, Flow	0.011 cm/cm	0.011 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	conditioned, 15s; ISO 868
Tensile Strength at Break	35.0 MPa	5080 psi	dry; ISO 527-1/-2
	35.0 MPa	5080 psi	conditioned; ISO 527-1/-2
Tensile Strength, Yield	25.0 MPa	3630 psi	dry; ISO 527-1/-2
	25.0 MPa	3630 psi	dry; ISO 527-1/-2
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
	20 %	20 %	dry; ISO 527-1/-2
Tensile Modulus	0.350 GPa	50.8 ksi	conditioned; ISO 527-1/-2
	0.350 GPa	50.8 ksi	dry; ISO 527-1/-2
Charpy Impact Unnotched	NB	NB	dry; ISO 179/1eU

Mechanical Properties	NB Metric	NB English	conditioned; ISO 179/1eU Comments
	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	
Charpy Impact, Notched	NB	NB	dry; ISO 179/1eA
	NB	NB	conditioned; ISO 179/1eA
	0.700 J/cm ²	3.33 ft-lb/in ²	dry; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	
	0.900 J/cm ²	4.28 ft-lb/in ²	conditioned; ISO 179/1eU
	@Temperature 30.0 °C	@Temperature 86.0 °F	

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	173 °C	343 °F	10°C/min; ISO 11357-1/-3
Maximum Service Temperature, Air	90.0 - 110 °C	194 - 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	1e+05	1e+05	conditioned; IEC 60093
Surface Resistance	1.00e+6 ohm	1.00e+6 ohm	IEC 60093

Descriptive Properties	Value	Comments
Additives	Plasticizer	
Automotive	Fuel systems	
Electricals & Electronics	Cables & Tubes	

Descriptive Properties	Value	Comments
Industry & Consumer goods	Hydraulics & Pneumatics	
Processing	Other Extrusion	
Product Attributes	Flexible	
	High viscosity	
Special Characteristics	Anti-static	
	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