

Arkema Group Orgalloy® LE 60LMXV Polyamide 6 Alloy

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

Polyamide Alloy, Semi-Flexible grade, Nylon 6 based Tubes / Mandrels / Profiles / Cables Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-LE-60LMXV-Polyamide-6-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ISO R1183
Water Absorption	0.70 %	0.70 %	23°C / 24 hrs; ISO 62
Moisture Absorption at Equilibrium	1.5 %	1.5 %	23°C / 50% RH; ISO 62
	5.5 %	5.5 %	in 23°C water; ISO 62
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 235 °C	4.0 g/10 min @Load 4.76 lb, Temperature 455 °F	after drying; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ISO 868
Tensile Strength, Ultimate	46.0 MPa	6670 psi	ISO R527
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO R527
Elongation at Break	280 %	280 %	ISO R527
Elongation at Yield	7.0 %	7.0 %	ISO R527
Modulus of Elasticity	0.600 GPa	87.0 ksi	ISO R527
Flexural Strength	18.0 MPa	2610 psi	After conditioning at 23°C and 50% RH; ISO 178
Flexural Modulus	0.500 GPa	72.5 ksi	After conditioning at 23°C and 50% RH; ISO 178
Charpy Impact, Notched	1.70 J/cm ² @Temperature -20.0 °C	8.09 ft-lb/in ² @Temperature -4.00 °F	After conditioning at 23°C/50%RH; ISO 179/Af
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/Af

Thermal Properties	Metric	English	Comments
	200 µm/m-°C	111 µin/in-°F	

Thermal Properties	Metric @ Temperature 20.0 - 60.0 °C	English @ Temperature 68.0 - 140 °F	Comments in Elmer
Melting Point	220 °C	428 °F	ISO R1218
Vicat Softening Point	60.0 °C	140 °F	50 N - B method; ISO 306
	195 °C	383 °F	10 N - A method; ISO 306
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	NFC 26 220

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