

Arkema Group Orgalloy® LE 60 LM Polyamide Alloy

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Polyamide Alloy, Film and Packaging Information provided by Arkema Group

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	ISO R1183
Water Absorption	0.80 %	0.80 %	23°C / 24 hrs; ISO 62
Moisture Absorption at Equilibrium	1.8 %	1.8 %	23°C / 50% RH; ISO 62
	6.4 %	6.4 %	in 23°C water; ISO 62
Melt Flow	1.2 g/10 min @Load 2.16 kg, Temperature 235 °C	1.2 g/10 min @Load 4.76 lb, Temperature 455 °F	after drying; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ISO 868
Tensile Strength, Ultimate	50.0 MPa	7250 psi	ISO R527
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO R527
Elongation at Break	>= 250 %	>= 250 %	ISO R527
Elongation at Yield	6.0 %	6.0 %	ISO R527
Modulus of Elasticity	0.700 GPa	102 ksi	ISO R527
Flexural Strength	28.0 MPa	4060 psi	After conditioning at 23°C and 50% RH; ISO 178
Flexural Modulus	0.650 GPa	94.3 ksi	After conditioning at 23°C and 50% RH; ISO 178
Charpy Impact, Notched	32.0 J/cm ² @Temperature -20.0 °C	152 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
Melting Point			ISO R1218

Thermal Properties	220 °C Metric	428 °F English	Comments
Flammability, UL94	HB	HB	

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

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