

Arkema Group Orgalloy® LE 60HM Flexible Nylon Alloy (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon, Flexible Alloy

Material Notes:

LE series, flexible polyamide alloys: processability on PE screw, low moisture absorption, chemical resistance (no known solvents).higher in rigidity than LE 6000. For film, hollow vessel blow molding and for injection molding.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-LE-60HM-Flexible-Nylon-Alloy-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	
Water Absorption	6.4 %	6.4 %	
Moisture Absorption at Equilibrium	1.8 %	1.8 %	Humidity Absorption
Melt Flow	0.90 g/10 min @Load 2.16 kg, Temperature 235 °C	0.90 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.0 MPa	5660 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	5.0 %	5.0 %	50 mm/min
Tensile Modulus	1.55 GPa	225 ksi	1 mm/min
Tensile Creep Modulus, 1 hour	1350 MPa	196000 psi	
Tensile Creep Modulus, 1000 hours	620 MPa	89900 psi	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	
	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	

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