

Arkema Group Orgalloy® LE 6000IH Nylon Alloy, Flexible Grade (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).medium viscosity and stiffness, specially suited to the covering of cable and tube. Also suited to injection molding. Flame retardant grade.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-LE-6000IH-Nylon-Alloy-Flexible-Grade-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	
Water Absorption	6.4 %	6.4 %	
Moisture Absorption at Equilibrium	1.8 %	1.8 %	Humidity Absorption
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 235 °C	5.0 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.9 %	4.9 %	50 mm/min
Tensile Modulus	1.35 GPa	196 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min
Vicat Softening Point	97.0 °C	207 °F	50°C/hr; 50N
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

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

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