

Arkema Group Orgalloy® LE 6000T Nylon Alloy, Flexible Grade (Conditioned)

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

Material Notes:

LE series, flexible polyamide alloys: processable on PE screws, low moisture absorption, chemical resistance (no known solvents).medium viscosity and stiffness, specially suited to the extrusion of film, tube and hollow vessels. Also suited to injection molding. Improved thermal resistance.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Water Absorption	6.4 %	6.4 %	
Moisture Absorption at Equilibrium	1.8 %	1.8 %	Humidity Absorption
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 235 °C	2.0 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.0 MPa	5080 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	4.2 %	4.2 %	50 mm/min
Tensile Modulus	1.30 GPa	189 ksi	1 mm/min
Tensile Creep Modulus, 1 hour	1130 MPa	164000 psi	
Tensile Creep Modulus, 1000 hours	520 MPa	75400 psi	

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	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.10 mm	@Thickness 0.122 in	

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

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