

## Arkema Group Orgalloy® LE 60XV 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). Suited to the extrusion of tubes (hydraulic, pneumatic, painting...). Also 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-60XV-Flexible-Nylon-Alloy-Conditioned.php](http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-LE-60XV-Flexible-Nylon-Alloy-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	
Water Absorption	5.5 %	5.5 %	
Moisture Absorption at Equilibrium	1.5 %	1.5 %	Humidity Absorption
Melt Flow	3.5 g/10 min @Load 2.16 kg, Temperature 235 °C	3.5 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.0 MPa	4790 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	7.0 %	7.0 %	50 mm/min
Tensile Modulus	0.800 GPa	116 ksi	1 mm/min

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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