

## Arkema Group Orgalloy® LE 60THM 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-60THM-Flexible-Nylon-Alloy-Conditioned.php](http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-LE-60THM-Flexible-Nylon-Alloy-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	
Water Absorption	6.0 %	6.0 %	
Moisture Absorption at Equilibrium	1.8 %	1.8 %	Humidity Absorption
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 235 °C	3.0 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	7.0 %	7.0 %	50 mm/min
Tensile Modulus	1.75 GPa	254 ksi	1 mm/min
Charpy Impact, Notched	1.25 J/cm <sup>2</sup>	5.95 ft-lb/in <sup>2</sup>	
	1.03 J/cm <sup>2</sup> @Temperature -30.0 °C	4.90 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	
Tensile Creep Modulus, 1 hour	1520 MPa	220000 psi	
Tensile Creep Modulus, 1000 hours	690 MPa	100000 psi	

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min
Deflection Temperature at 0.46 MPa (66 psi)	47.0 °C	117 °F	
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 3.20 mm	@Thickness 0.126 in	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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