

## Arkema Group Orgalloy® LE 60ES03 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 viscosity than LE 6000, suited to the blow molding of technical parts under the hood: (air intake) and to the blow molding of large volume hollow vessels.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Orgalloy-LE-60ES03-Flexible-Nylon-Alloy-Conditioned.php](http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-LE-60ES03-Flexible-Nylon-Alloy-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	
Water Absorption	6.4 %	6.4 %	
Moisture Absorption at Equilibrium	1.8 %	1.8 %	Humidity Absorption
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 235 °C	0.30 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.0 MPa	5370 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	6.0 %	6.0 %	50 mm/min
Tensile Modulus	1.20 GPa	174 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 3.20 mm	@Thickness 0.126 in	

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China