

Arkema Group Orgalloy® R 60T30 Nylon 6 Alloy, Mineral Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Mineral Filled

Material Notes:

Rigid polyamide 6 alloy: easy to process, low moisture absorption, chemical resistance (no known solvents). Mineral filled. Low distortion, offers precisely dimensioned injection moldings. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-R-60T30-Nylon-6-Alloy-Mineral-Filled-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	
Water Absorption	2.5 %	2.5 %	
Moisture Absorption at Equilibrium	1.0 %	1.0 %	Humidity Absorption
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 235 °C	6.0 g/10 min @Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	52.0 MPa	7540 psi	5 mm/min
Elongation at Break	2.6 %	2.6 %	5 mm/min
Tensile Modulus	4.80 GPa	696 ksi	1 mm/min

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	10°C/min
Deflection Temperature at 0.46 MPa (66 psi)	190 °C	374 °F	
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	
Oxygen Index	22 %	22 %	

Electrical Properties	Metric	English	Comments

Comparative Tracking Index Electrical Properties	600 V Metric	600 V English	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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