

Arkema Group Orgalloy® RS 66M25 Nylon 66 Alloy, 25% Mineral Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Mineral Filled

Material Notes:

RS 66 series, rigid polyamide 66 alloy: easy to process, chemical resistance (no known solvents) and low moisture absorption leading to stability of mechanical, electrical and dimensional properties. Mineral filled (25%) for injection molding of technical parts. Isotropy and 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-RS-66M25-Nylon-66-Alloy-25-Mineral-Filled-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	
Water Absorption	2.3 %	2.3 %	
Moisture Absorption at Equilibrium	1.05 %	1.05 %	Humidity Absorption
Melt Flow	9.5 g/10 min @Load 2.16 kg, Temperature 275 °C	9.5 g/10 min @Load 4.76 lb, Temperature 527 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	67.0 MPa	9720 psi	5 mm/min
Elongation at Break	3.1 %	3.1 %	5 mm/min
Tensile Modulus	5.50 GPa	798 ksi	1 mm/min
Charpy Impact, Notched	0.600 J/cm ²	2.86 ft-lb/in ²	
	0.400 J/cm ² @Temperature -30.0 °C	1.90 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °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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