

Arkema Group Orgalloy® RS 6620 Nylon 66 Alloy, 20% Glass Fiber (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber 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 20 % glass filled, for injection molding and for extrusion of profiles. ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Orgalloy-RS-6620-Nylon-66-Alloy-20-Glass-Fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	
Water Absorption	2.3 %	2.3 %	
Moisture Absorption at Equilibrium	1.1 %	1.1 %	Humidity Absorption
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 275 °C	10 g/10 min @Load 4.76 lb, Temperature 527 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	110 MPa	16000 psi	5 mm/min
Elongation at Break	4.5 %	4.5 %	5 mm/min
Tensile Modulus	5.50 GPa	798 ksi	1 mm/min
Tensile Creep Modulus, 1 hour	4900 MPa	711000 psi	
Tensile Creep Modulus, 1000 hours	3510 MPa	509000 psi	

Thermal Properties	Metric	English	Comments
Melting Point	255 °C	491 °F	10°C/min
Deflection Temperature at 0.46 MPa (66 psi)	240 °C	464 °F	
Deflection Temperature at 1.8 MPa (264 psi)	220 °C	428 °F	
Vicat Softening Point	160 °C	320 °F	50°C/hr; 50N
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
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	>= 1.00e+15 ohm	>= 1.00e+15 ohm	
Dielectric Constant	2.6	2.6	
	@Frequency 100 Hz	@Frequency 100 Hz	
	3.5	3.5	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	35.0 kV/mm	889 kV/in	
Comparative Tracking Index	600 V	600 V	

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