

Arkema Group Rilsan® AZM 15 TLD Nylon 12, 15% Glass Fiber Filled (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 20% Glass Fiber Filled

Material Notes:

Designation ISO 1874-PA12,MHLR,16-030,GF15Rigid grade with glass fiber filler (15%) for injection molding.Available color: natural. Light and heat stabilized. Mold-release agent.Rigidity combined with good impact strength. High compressive strength. Very low shrinkage: include 0,5% on average for the design of the mold. Low coefficient of linear expansion. High dimensional stability.Example applications: Mechanical fittings.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AZM-15-TLD-Nylon-12-15-Glass-Fiber-Filled-Conditioned.php

Physical Properties	Metric	English	Comments
Melt Flow	12.9 g/10 min	12.9 g/10 min	
	@Load 2.16 kg, Temperature 235 °C	@Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	72.0 MPa	10400 psi	5 mm/min
Elongation at Break	8.0 %	8.0 %	5 mm/min
Tensile Modulus	3.83 GPa	556 ksi	1 mm/min
Charpy Impact Unnotched	6.40 J/cm ²	30.5 ft-lb/in ²	
	6.87 J/cm ² @Temperature -30.0 °C	32.7 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	1.15 J/cm ²	5.47 ft-lb/in ²	
	0.720 J/cm ² @Temperature -30.0 °C	3.43 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	151 °C	304 °F	50°C/hr; 50N

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