

## Arkema Group Rilsan® AZM 30 GT8LD Nylon 12, 30% Glass Fiber Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, 30% Glass Fiber Filled

### Material Notes:

Designation ISO 1874-PA12,MHLS,16-050,(G+C)(F+D)(30+05)Rigid grade with glass fiber (30%) and graphite filler for injection molding. Available color: steel black gray. Reinforced light and heat stabilizing agent. Mold-release agent.High rigidity. Low friction coefficient. 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 parts with friction such as knuckle joint for windshield wiper.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-AZM-30-GT8LD-Nylon-12-30-Glass-Fiber-Filled-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AZM-30-GT8LD-Nylon-12-30-Glass-Fiber-Filled-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	
Melt Flow	2.2 g/10 min	2.2 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	114 MPa	16500 psi	5 mm/min
Elongation at Break	6.0 %	6.0 %	5 mm/min
Tensile Modulus	8.75 GPa	1270 ksi	1 mm/min
Charpy Impact Unnotched	9.30 J/cm <sup>2</sup>	44.3 ft-lb/in <sup>2</sup>	
	9.11 J/cm <sup>2</sup> @Temperature -30.0 °C	43.4 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	
Charpy Impact, Notched	1.77 J/cm <sup>2</sup>	8.42 ft-lb/in <sup>2</sup>	
	1.35 J/cm <sup>2</sup> @Temperature -30.0 °C	6.42 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	174 °C	345 °F	10°C/min
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.10 mm	@Thickness 0.122 in	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Dissipation Factor	0.00036	0.00036	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.00045	0.00045	
	@Frequency 100 Hz	@Frequency 100 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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