

## Arkema Group Rilsan® AZM 23 T6LD Nylon 12, 23% Glass Fiber Filled (Conditioned)

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

### Material Notes:

Designation ISO 1874-PA12,MHLR,16-050,GF23Rigid grade with glass fiber filler (23%) for injection molding. Available colors: black and natural. Reinforced light and heat stabilizing agent. Mold-release agent.Rigidity. 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: Rigid mechanical parts.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-AZM-23-T6LD-Nylon-12-23-Glass-Fiber-Filled-Conditioned.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AZM-23-T6LD-Nylon-12-23-Glass-Fiber-Filled-Conditioned.php)

Physical Properties	Metric	English	Comments
Melt Flow	3.2 g/10 min	3.2 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	82.0 MPa	11900 psi	5 mm/min
Elongation at Break	6.0 %	6.0 %	5 mm/min
Tensile Modulus	5.52 GPa	801 ksi	1 mm/min
Charpy Impact Unnotched	6.81 J/cm <sup>2</sup>	32.4 ft-lb/in <sup>2</sup>	
	6.28 J/cm <sup>2</sup>	29.9 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.37 J/cm <sup>2</sup>	6.52 ft-lb/in <sup>2</sup>	
	0.810 J/cm <sup>2</sup>	3.85 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	60.0 µm/m-°C	33.3 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	173 °C	343 °F	
Deflection Temperature at 1.8 MPa (264 psi)	165 °C	329 °F	
Vicat Softening Point	165 °C	329 °F	50°C/hr; 50N

## **Contact Songhan Plastic Technology Co.,Ltd.**

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