

## Arkema Group Rilsan® AMN G8 TLD Nylon 12, Graphite Filled (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12 , Nylon 12, Graphite Filled

### Material Notes:

Designation ISO 1874-PA12,MHLS,14-010,CD05Rigid grade with graphite filler for injection molding. Available colors: steel gray. Light and heat stabilized. Mold-release agent.Low friction coefficient. No need of lubricant. Good mechanical properties. Easy filling of the mold due to its well adapted viscosity. Low shrinkage: include 1% on average for the design of the mold. Very good dimensional stability (low moisture absorption). Higher rate of production.Example applications: Moving mechanical parts.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-AMN-G8-TLD-Nylon-12-Graphite-Filled-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AMN-G8-TLD-Nylon-12-Graphite-Filled-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	
Water Absorption	1.6 %	1.6 %	
Melt Flow	61.5 g/10 min	61.5 g/10 min	
	@Load 2.16 kg, Temperature 235 °C	@Load 4.76 lb, Temperature 455 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.0 MPa	6530 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	10 %	10 %	50 mm/min
Tensile Modulus	1.52 GPa	220 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	0.410 J/cm <sup>2</sup>	1.95 ft-lb/in <sup>2</sup>	
	0.400 J/cm <sup>2</sup> @Temperature -30.0 °C	1.90 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	

Thermal Properties	HB Metric	HB English	Comments
	@Thickness 3.10 mm	@Thickness 0.122 in	

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.000332	0.000332	
	@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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