

## Arkema Group Rilsan® AESN P20 TL Nylon 12, Flexible Grade (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 12

### Material Notes:

Designation ISO 1874-PA12-P,EHL,22-005Flexible grade for overmolding. Available colors: natural and white. Light and heat stabilized.

No lubricant.Flexibility. Very good ability to overmold Pebax and Rilsan. Easy to color.Example applications: Sport footwear soles.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-AESN-P20-TL-Nylon-12-Flexible-Grade-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-AESN-P20-TL-Nylon-12-Flexible-Grade-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in <sup>3</sup>	
Water Absorption	1.4 %	1.4 %	
Melt Flow	2.3 g/10 min	2.3 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	30.0 MPa	4350 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	21 %	21 %	50 mm/min
Tensile Modulus	0.625 GPa	90.6 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	
	0.440 J/cm <sup>2</sup>	2.09 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	173 °C	343 °F	10°C/min
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

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

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