

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

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-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	
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	31.0 MPa	4500 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	20 %	20 %	50 mm/min
Tensile Modulus	0.525 GPa	76.1 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	NB	NB	
	0.480 J/cm ²	2.28 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	120 µm/m-°C	66.7 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	173 °C	343 °F	(Dry)
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	
Deflection Temperature at 1.8 MPa (264 psi)	48.0 °C	118 °F	

Vicat Softening Point Thermal Properties	134 °C Metric	273 °F English	50°C/hr: 50N Comments
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	
Dielectric Strength	26.0 kV/mm	660 kV/in	
Comparative Tracking Index	600 V	600 V	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China