

Arkema Group Rilsan® BMV 400 TL Nylon 11 (Conditioned)

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11 , Unreinforced

Material Notes:

Designation ISO 1874-PA11,M,18-002,ZFlexible grade for injection molding. Available color: natural. Light and heat stabilized. Plasticizing agent free.Outstanding impact strength and tear spreading at low temperature. Good abrasion resistance. Low shrinkage: include 1% on average for the design of the mold. Good dimensional stability (low moisture absorption).Example applications: Mechanical parts with impact and vibrations resistance.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-BMV-400-TL-Nylon-11-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	15.0 MPa	2180 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	34 %	34 %	50 mm/min
Tensile Modulus	0.185 GPa	26.8 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	NB	NB	
	2.37 J/cm ²	11.3 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	110 µm/m-°C	61.1 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	175 °C	347 °F	(Dry)
Deflection Temperature at 0.46 MPa (66 psi)	70.0 °C	158 °F	
Deflection Temperature at 1.8 MPa (264 psi)	45.0 °C	113 °F	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

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

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