

## Arkema Group Rilsan® MB 3750 Nylon 11, Transparent Grade (Dry)

Category : Polymer , Thermoplastic , Nylon , Nylon 11

### Material Notes:

Designation ISO 1874-PA11/xx,F,THL,22-020Transparent semi-crystalline PA11 grade.Used for film extrusion and injection molding (low thickness).Very good low temperature impact strength.High chemical resistance.ISO data provided by the manufacturer, Arkema.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arkema-Group-Rilsan-MB-3750-Nylon-11-Transparent-Grade-Dry.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-MB-3750-Nylon-11-Transparent-Grade-Dry.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	
Water Absorption	2.7 %	2.7 %	
Moisture Absorption at Equilibrium	1.2 %	1.2 %	Humidity Absorption

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	62.0 MPa	8990 psi	50 mm/min
Elongation at Break	>= 50 %	>= 50 %	Nominal Strain; 50 mm/min
Elongation at Yield	6.0 %	6.0 %	50 mm/min
Tensile Modulus	1.66 GPa	241 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB	NB	Low Temp
Charpy Impact, Notched	1.05 J/cm <sup>2</sup> @Temperature -30.0 °C	5.00 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	183 °C	361 °F	10°C/min
Deflection Temperature at 0.46 MPa (66 psi)	64.0 °C	147 °F	
Deflection Temperature at 1.8 MPa (264 psi)	59.0 °C	138 °F	
Vicat Softening Point	67.0 °C	153 °F	50°C/hr; 50N

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Mfr. reports 'Transparent' but doesn't quantify.

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

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

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