

Rilsan® MB 3610

Polyamide 11

Arkema

Message:

Rilsan® MB 3610 is a Polyamide 11 (Nylon 11) product. It can be processed by profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

- Eco-Friendly/Green
- Good UV Resistance
- Heat Stabilizer
- Impact Resistant
- Plasticized

General Information				
Additive		Heat Stabilizer		
		Plasticizer		
Features		Good Impact Resistance		
		Good UV Resistance		
		Heat Stabilized		
		Renewable Resource Content		
Forms		Pellets		
Processing Method		Profile Extrusion		
Multi-Point Data		Isothermal Stress vs. Strain (ISO 11403-1)		
		Secant Modulus vs. Strain (ISO 11403-1)		
		Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1030	1030	kg/m ³	ISO 1183 ¹
Melt volume-flow rate (235°C/5.0 kg)	4.00	--	cm ³ /10min	ISO 1133 ²
Water Absorption				ISO 62 ³
Saturation	1.1	--	%	
Equilibrium	0.45	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile modulus	225	200	MPa	ISO 527-2 ⁴
Tensile Stress (50% Strain)	20.5	20.0	MPa	ISO 527-2 ⁵
Tensile Strain (Break)	> 50	> 50	%	ISO 527-2 ⁶
Impact	Dry	Conditioned	Unit	Test Method
Charpy notched impact strength				ISO 179/1eA ⁷
-30°C	7.00	10.0	kJ/m ²	

23°C	No Break	No Break		
Charpy impact strength				ISO 179/1eU ⁸
-30°C	No Break	No Break		
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ⁹	181	--	°C	ISO 11357-3 ¹⁰
Electrical	Dry	Conditioned	Unit	Test Method
Volume resistivity	1.9E+11	--	ohms·m	IEC 60093 ¹¹
Flammability	Dry	Conditioned	Unit	Test Method
Burning Behav. at 1.6mm nom. thickn. (1.60 mm)	HB	--		ISO 1210 ¹²
Burning Behav. at thickness h (3.20 mm)	HB	--		ISO 1210 ¹³
NOTE				

1.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
2.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
3.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
4.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
5.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
6.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
7.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
8.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
9.	10 °C/min			
10.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
11.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
12.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			
13.	Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.			

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

