

RILSAN® MB 3610 BLACK

PA11-P, EHL, 16-002

Rilsan® MB 3610 BLACK resin is a polyamide 11 produced from a renewable source. This black grade is plasticized and specially designed for pneumatic applications. It combines very high flexibility with good impact resistance.

The percentage of renewable carbon according to ASTM D 6866 (calculated) is >59%.

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 210	MPa	ISO 527-1/-2
	- /	psi	
Shore D Hardness	30500 53 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m ²	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / No Break	kJ/m ²	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 10	kJ/m ²	ISO 179/1eA
	- / 4.76	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	188 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1030 / 1030	kg/m ³	ISO 1183
	1.03 / 1.03	g/cm ³	
%Bio-Based	59	-	ASTM D6866

MAIN APPLICATIONS:

- Pneumatic tubing

PACKAGING:

This grade is delivered dried in sealed packaging (25 kg bags) ready to be processed.

SHELF LIFE:

Two years from the delivery. For any use above this limit, please refer to our technical services.

Processing conditions:

- Typical melt temperature (Min / Recommended / Max) : 230°C / 250°C / 280°C.
- Drying time and temperature (only necessary for bags opened for more than two hours) : 4-8 hours at 80-90°C.

RILSAN[®]

MB 3610 BLACK

PROCESSING Profile Extrusion	
DELIVERY FORM Pellets	
ADDITIVES Plasticizer	
SPECIAL CHARACTERISTICS Bio-Based, Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	