

RILSAN®

BESN BLACK P212 CTL

PA11-P, EHL, 22-007-CD22

Rilsan® PA 11 G BESN BLACK P212 CTL resin is a polyamide 11 produced from a renewable source. This black grade is specially designed for conductive multi-layers fuel line applications.

The percentage of renewable carbon according to ASTM D 6866 (calculated) is >55%.

Packaging:

This grade is delivered dried in sealed packaging (44 lb bags) ready to be processed.

Shelf Life:

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

PROPERTIES	DRY / COND	UNIT	TEST STANDARD
MECHANICAL PROPERTIES			
Tensile Modulus	- / 705	MPa	ISO 527-1/-2
	- /	psi	
Yield stress	102000 - / 31	MPa	ISO 527-1/-2
	- / 4500	psi	
Yield strain	- / 45	%	ISO 527-1/-2
Nominal Strain at Break	- / >50	%	ISO 527-1/-2
Shore D Hardness	66 / *	-	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	- / 9	kJ/m ²	ISO 179/1eA
	- / 4.28	ftlb/in ²	
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	182 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES			
Density	1160 / 1160	kg/m ³	ISO 1183
	1.16 / 1.16	g/cm ³	
%Bio-Based	55	-	ASTM D6866

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.

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