

# 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.

### 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
<b>MECHANICAL PROPERTIES</b>			
Tensile Modulus	- / 705	MPa	ISO 527-1/-2
	- / 102000	psi	
Yield Stress	- / 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, after 15 s	66 / *	-	ISO 868
Charpy Impact Strength, +23°C	- / No Break	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy Impact Strength, -30°C	- / No Break	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy Notched Impact Strength, +23°C	- / No Break	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Notched Impact Strength, -30°C	- / 9	kJ/m <sup>2</sup>	ISO 179/1eA
	- / 4.28	ftlb/in <sup>2</sup>	
<b>THERMAL PROPERTIES</b>			
Melting Temperature, 10°C/min	182 / *	°C	ISO 11357-1/-3
<b>OTHER PROPERTIES</b>			
Density	1160 / 1160	kg/m <sup>3</sup>	ISO 1183
	1.16 / 1.16	g/cm <sup>3</sup>	

### 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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 Source: automatically generated TDS from Material Database on 20-02-2024

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<p><b>PROCESSING</b></p> <p>Profile Extrusion, Other Extrusion</p>	<p>Headquarters:</p> <p>Arkema France            420 rue d'Estienne d'Orves            92705 Colombes Cedex France            T +33 (0)1 49 00 80 80            hpp.arkema.com</p> <p>Arkema Inc. – High Performance Polymers</p> <p>900 First Avenue            King of Prussia, PA 19406            Tel.: +1 610 205 7000            hpp.arkema.com</p>
<p><b>DELIVERY FORM</b></p> <p>Pellets</p>	
<p><b>ADDITIVES</b></p> <p>Plasticizer</p>	
<p><b>SPECIAL CHARACTERISTICS</b></p> <p>Bio-Based, Conductive, Heat Stabilized</p>	
<p><b>REGIONAL AVAILABILITY</b></p> <p>North America, Europe, Asia Pacific, South and Central America, Near East/Africa</p>	

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