

Rilsan® BESN Noir P212 CTL

Polyamide 11

Arkema

Message:

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

General Information			
Features	Renewable Resource Content		
Uses	Automotive Applications		
Appearance	Black		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	73		
Shore D, 15 sec	66		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	705	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	31.0	MPa	
Break	35.0	MPa	
Tensile Strain			ISO 527-2
Yield	45	%	
Break	> 150	%	
Flexural Modulus	645	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	9.0	kJ/m ²	
23°C	No Break		
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	182	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	ISO 3915
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11-HIP, EHL, 22-007-CD22		ISO 1874

Renewable Carbon Content	> 55	%	ASTM D6866
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 8.0	hr	
Melt Temperature	230 to 280	°C	

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