

Rilsan® BSR 30

Polyamide 11

Arkema

Message:

Rilsan® PA 11 BSR 30 is a polyamide produced from a renewable source. Light and rigid, this grade is carbon fiber reinforced and designed for injection molding.

General Information			
Filler / Reinforcement	Carbon Fiber,30% Filler by Weight		
Features	High Rigidity		
	Renewable Resource Content		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	12.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13900	MPa	ISO 527-2
Tensile Stress (Break)	160	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	11100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	11	kJ/m²	
23°C	17	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	188	°C	ISO 11357-3
Additional Information	Nominal Value	Test Method	
ISO Shortname	PA11, MHL, 11-140, CF 30	ISO 1874	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	70.0 to 100	°C	

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Recommended distributors for this material

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