

Hostacom BJ44A (z)

Polypropylene Copolymer

LyondellBasell Industries

Message:

Hostacom BJ44A medium melt flow, 7,000 MPa flexural modulus, chemically coupled, 45% glass fiber-reinforced polypropylene copolymer has excellent impact strength, high stiffness and very good processability. It was designed primarily for automotive under-the-hood applications.

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	Chemically Coupled		
	Copolymer		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Medium Flow		
Uses	Automotive Applications		
	Automotive Under the Hood		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	85.0	MPa	ASTM D638
Yield	80.0	MPa	ISO 527-2
Tensile Elongation			
Yield	3.0	%	ASTM D638, ISO 527-2
Break	6.0	%	ASTM D638
Flexural Modulus			
Tangent ¹	7000	MPa	ASTM D790A
--	8300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	130	J/m	ASTM D256A
-40°C	8.0	kJ/m ²	ISO 180
23°C	11	kJ/m ²	ISO 180


Unnotched Izod Impact (23°C)	590	J/m	ASTM D256
Gardner Impact (-30°C)	5.00	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	145	°C	ASTM D648
1.8 MPa, Unannealed	147	°C	ISO 75-2/A
NOTE			
1.	1.0 mm/min		

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