

Borealis PP FSC65T30

Compounded Polypropylene

Borealis AG

Message:

FSC65T30 is a 30% mineral filled polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Features	Recyclable Material		
Uses	Automotive Applications		
	Automotive Interior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage	0.95	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	55.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	2800	MPa	ISO 527-2
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.5	%	ISO 527-2/50
Flexural Modulus ¹	3000	MPa	ISO 178
Flexural Stress	38.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	kJ/m ²	
23°C	7.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	24	kJ/m ²	
23°C	67	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-20°C	3.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-20°C	21	kJ/m ²	
23°C	72	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	125	°C	ISO 75-2/B
Vicat Softening Temperature			
--	150	°C	ISO 306/A
--	70.0	°C	ISO 306/B
Melt Energy	62.8	kJ/kg	ISO 11357
Fogging	< 2.0	mg	DIN 75201
Emission	< 50.0	µgC/g	VDA 277
NOTE			

1. 2.0 mm/min

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