

Borealis PP ZP961

Compounded Polypropylene

Borealis AG

Message:

ZP961 is a polypropylene copolymer intended for injection moulding and blow moulding.

General Information			
Features	Good dimensional stability		
	Rigid, good		
	Recyclable materials		
	Good chemical resistance		
	Thermal Stability		
Uses	Automotive exterior parts		
Processing Method	Blow molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.909	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus ¹	1400	MPa	ISO 178
Flexural Stress	38.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	20	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	95.0	°C	ISO 75-2/B
1.8 MPa, not annealed	50.0	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flammability (1.00 mm)	100	mm/min	ISO 3795
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	
Mold Temperature	20.0 - 40.0	°C	
Injection Rate	Slow-Moderate		
Injection instructions			

Barrel Temperature: 200 - 230 °CHolding Pressure: 50 - 70 % of Injection Pressure

NOTE

1. 2.0 mm/min

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