

Borealis PP SP 968

Polypropylene

Borealis AG

Message:

SP 968 is a polypropylene compound intended for injection moulding.
This material has excellent balanced mechanical properties and a medium melt flow rate.
SP 968 is supplied with a specifically designed UV and thermal stabilisation package.

General Information			
Features	High crystallization		
	Good UV resistance		
	Recyclable materials		
	Medium liquidity		
	Thermal stability, good		
Uses	Application in Automobile Field		
	Car interior equipment		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	1150	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/50
Flexural Modulus ²	1500	MPa	ISO 178
Flexural Stress	38.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.5	kJ/m²	ISO 179/1eA
23°C	8.0	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C)	7.5	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	108	°C	ISO 75-2/B
1.8 MPa, not annealed	58.0	°C	ISO 75-2/A
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	200 - 240	°C	

Mold Temperature	20.0 - 40.0	°C
Injection Rate	Slow-Moderate	
Injection instructions		
Holding Pressure: 50 - 70 % on Injection Pressure		
NOTE		
1.	Compound	
2.	2.0 mm/min	

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