Borealis PP SR562

Polypropylene

Borealis AG

Message:

SR562 is a polypropylene compound intended for injection moulding.

General Information			
Features	Impact resistance, high Good UV resistance Recyclable materials		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	85		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/50
Flexural Modulus [1]	800	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	55	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact (23°C)	45	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	47.0	°C	ISO 75-2/A
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flammability (1.00 mm)	100	mm/min	ISO 3795
Injection	**Nominal Value**	**Unit**	
Mold Temperature	30.0 - 50.0	°C	
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			
Feeding Temperature: 40 - 80 °CMass Temperature: 220 - 260 °CBack Pressure: Low to MediumScrew Speed: Low to MediumFlow Front Speed: 100 - 200 mm/s			
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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