Borealis PP TR529

Polypropylene

Borealis AG

Message:

TR529 is a 10% mineral reinforced impact modified polypropylene compound suitable for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler, 10% filler by weight		
Features	Impact resistance, high Recyclable materials Low temperature impact resistance		
Uses	Application in Automobile Field Automotive exterior parts		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	0.950	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)	62		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	19.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	3.5	%	ISO 527-2/50
Flexural Modulus [1]	1250	MPa	ISO 178
Flexural Stress	25.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ISO 180/1A
-30°C	6.0	kJ/m²	ISO 180/1A
23°C	40	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	97.0	°C	ISO 75-2/Be
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flammability (1.00 mm)	100	mm/min	ISO 3795
Injection	**Nominal Value**	**Unit**	
Drying Temperature	100	°C	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	20.0 - 40.0	°C	
Injection Rate	Slow-Moderate		

Injection instructions	
Holding Pressure: 50 - 70% of Injection Pressure	
NOTE	
1.	30 mm/min

Recommended distributors for this material

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