

Hifax TRC 221P 3

Polypropylene Copolymer

LyondellBasell Industries

Message:

"Hifax TRC 221P 3 is a new high melt flow, 20% mineral filled polypropylene copolymer for injection moulding. It combines a very high flowability with an excellent impact/stiffness balance and very low CLTE. The grade has been specifically designed for moulding of large complex parts that require high impact strength as well as good stiffness. This grade is available in custom colour, pellet form. It contains UV stabiliser for usage in unpainted parts

General Information			
Filler / Reinforcement	Mineral, 20% Filler by Weight		
Additive	UV Stabilizer		
Features	Copolymer		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
Uses	Automotive Bumper		
	Automotive Exterior Parts		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Flexural Modulus	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	5.5	kJ/m ²	
23°C	45	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	48.0	°C	ISO 306/B50

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