



Hifax TRC 221P 3

Compounded Polyolefin

Product Description

"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

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Features	Copolymer, High Flow , Good Impact Resistance , Good Stiffness
Typical Customer Applications	Exterior Applications, Bumpers

Typical Properties	Method	Value Unit
Physical		
Density (Method A)	ISO 1183	1.05 g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	21 g/10 min
Mechanical		
Tensile Stress at Yield	ISO 527-1, -2	17 MPa
Flexural modulus	ISO 178	1600 MPa
Impact		
Notched izod impact strength	ISO 180	
(- 30 °C, Type 1, Notch A)		5.5 kJ/m²
(23 °C, Type 1, Notch A)		45 No kJ/m² Break
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	100 °C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	55 °C
Vicat softening temperature (B50 (50°C/h 50N))	ISO 306	48 °C

Notes

Typical properties; not to be construed as specifications.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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