



Hifax TRC 103P R1K3

Compounded Polyolefin

Product Description

Hifax TRC 103P is a mineral filled high impact polypropylene copolymer. The grade has been specifically designed for moulding large complex parts that require high impact as well as good stiffness.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Method	Injection Molding
Features	High Flow , High Impact Resistance , Paintable, Good Processability, Good Stiffness
Typical Customer Applications	Exterior Applications, Bumpers

Typical Properties	Method	Value Unit
Physical		
Density (Method A)	ISO 1183	1.02 g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	23 g/10 min
Mechanical		
Tensile Stress at Yield (23 °C, 50 mm/min)	ISO 527-1, -2	16.5 MPa
Tensile Strain at Break (23 °C, 50 mm/min)	ISO 527-1, -2	>75 %
Flexural modulus (23 °C, 2 mm/min)	ISO 178	1250 MPa
Flexural Stress (23 °C)	ISO 178	19 MPa
Impact		
Notched izod impact strength (- 30 °C, Type 1, Notch A) (23 °C, Type 1, Notch A)	ISO 180	
		5 kJ/m²
		>20 kJ/m²
Hardness		
Rockwell Hardness (R-Scale)	ISO 2039-2	>45
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	>95 °C
Additional Information		
Mold shrinkage	ISO 294-4	0.6 to 0.8 %
Note: Measured Internally on Plaques. Material shrinkage should be verified on a surrogate tool to confirm values.		

Notes

Typical properties; not to be construed as specifications.

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- l Equistar Chemicals, LP
- l Basell Sales & Marketing Company B.V.
- l Basell Asia Pacific Limited
- l Basell International Trading FZE
- l LyondellBasell Australia Pty Ltd

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

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