



Hostacom TRC 453N E

Compounded Polyolefin

Product Description

Hostacom TRC 453N E is a mineral filled high impact, high stiffness polypropylene copolymer. The grade has been specifically designed for moulding large complex parts that require good impact as well as good stiffness and improved scratch performance.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Injection Molding
Features	High Flow , High Impact Resistance , Good Processability, Scratch Resistant, Good Stiffness
Typical Customer Applications	Instrument Panels, Interior Applications

Typical Properties	Method	Value Unit
Physical		
Density (Method A)	ISO 1183	1.04 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	20 MPa
Tensile Strain at Break (23 °C, 50 mm/min)	ISO 527-1, -2	>80 %
Flexural modulus (23 °C, 2 mm/min)	ISO 178	1750 - MPa 2250
Flexural Stress (23 °C)	ISO 178	>28 MPa
Impact		
Notched izod impact strength (- 30 °C, Type 1, Notch A) (23 °C, Type 1, Notch A)	ISO 180	2 - 10 kJ/m²
		20 - 50 kJ/m²
Hardness		
Rockwell Hardness (R-Scale)	ISO 2039-2	>70
Additional Information		
Mold shrinkage	ISO 294-4	0.7% to % 0.9%

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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- ┆ Basell Sales & Marketing Company B.V.
- ┆ Basell Asia Pacific Limited
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Users should review the applicable Material Safety Data Sheet before handling the product.

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