

Hostacom TRC 453N E

Polypropylene Copolymer

LyondellBasell Industries

Message:

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.

General Information			
Filler / Reinforcement	Mineral		
Features	Copolymer		
	Good Processability		
	Good Stiffness		
	High Flow		
	High Impact Resistance		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Automotive Interior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23	g/10 min	ISO 1133
Molding Shrinkage	0.70 to 0.90	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	> 70		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	20.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 80	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	1750 to 2250	MPa	ISO 178
Flexural Stress (23°C)	> 28.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	2.0 to 10	kJ/m ²	
23°C	20 to 50	kJ/m ²	
NOTE			
1.	2.0 mm/min		

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