

# Hifax TRC 103P 11BK10

Polypropylene Copolymer

LyondellBasell Industries

## Message:

Hifax TRC 103P 11BK10 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.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Processability		
	Good Stiffness		
	High Flow		
	High Impact Resistance		
	Paintable		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23	g/10 min	ISO 1133
Molding Shrinkage	0.60 to 0.80	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	> 45		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	16.5	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 75	%	ISO 527-2/50
Flexural Modulus <sup>1</sup> (23°C)	1250	MPa	ISO 178
Flexural Stress (23°C)	19.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	5.0	kJ/m <sup>2</sup>	
23°C	> 20	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	> 95.0	°C	ISO 75-2/B
NOTE			
1.	2.0 mm/min		

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

