

# Hifax TRC 221X BLACK

Polypropylene Copolymer

LyondellBasell Industries

## Message:

Hifax TRC 221X BLACK is a 20% talc filled PP copolymer, with high flowability, excellent impact/stiffness balance, very low CLTE (Coefficient of Linear Thermal Expansion) and low UV resistance. Product is available in black color, pellet form.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Rigid, good		
	Copolymer		
	Impact resistance, high		
	Good UV resistance		
	High liquidity		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	16.5	MPa	ISO 527-2
Flexural Modulus <sup>1</sup> (23°C)	1500	MPa	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	3.5	kJ/m²	ISO 179/1eA
23°C	55	kJ/m²	ISO 179/1eA
Notched Izod Impact			ISO 180/1A
-40°C	5.0	kJ/m²	ISO 180/1A
23°C	48	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
NOTE			
1.	1.0 mm/min		

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