

Hifax TRC 412P C12594

Polypropylene Copolymer

LyondellBasell Industries

Message:

Hifax TRC 412P C12594 is a 20% talc filled PP copolymer, with high flowability, high stiffness and high UV resistance. Product is available as a customized color matched, pellet form. This grade is delivered in C12594 color version.

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

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Rigidity, high		
	Rigid, good		
	Copolymer		
	Good UV resistance		
	High liquidity		
Uses	Car anti-collision bar		
	Application in Automobile Field		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	21	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	19.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Flexural Modulus ¹ (23°C)	2100	MPa	ISO 178/A
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	ISO 179/1eA
23°C	25	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Vicat Softening Temperature	135	°C	ISO 306/A
NOTE			
1.	1.0 mm/min		

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