

Hifax HKG 418P

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hifax HKG 418P is a 20% glass fiber reinforced PP homopolymer (coupled). It combines excellent stiffness properties with good dimensional stability and low creep under load at elevated temperatures.

This grade is UV-stabilized for automotive exterior parts. The grade is available in colour-matched (dark colours), pellet form.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Dimensional Stability		
	High Rigidity		
	High Tensile Strength		
	Homopolymer		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Appearance	Colors Available		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	7.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	70.0	MPa	ISO 527-2/50
Flexural Modulus - Secant	4800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.5	kJ/m ²	
23°C	6.0	kJ/m ²	

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