

Tecnoprene® FK7HCR NAT001

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

High crystallinity polypropylene homopolymer reinforced with 35% chemically coupled glass fiber, stabilized for contact with copper

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Features	Chemically Coupled		
	Crystalline		
	Homopolymer		
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage	0.20	%	Internal Method
Water Absorption (Saturation, 23°C)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	8100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	152	°C	ASTM D648
Vicat Softening Temperature	140	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating (3.20 mm)	HB	UL 94	
NOTE			

1. Rate A (50°C/h), Loading 2 (50 N)

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Recommended distributors for this material

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