

Tecnoprene® AK10HC NAT005

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

High crystallinity polypropylene homopolymer reinforced with 50% chemically coupled glass fiber

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Chemically Coupled		
	Crystalline		
	Homopolymer		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Ash Content	50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	110	MPa	ASTM D638
Flexural Modulus	12000	MPa	ASTM D790
Flexural Strength	190	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)	154	°C	ASTM D648
Vicat Softening Temperature	151	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating (3.20 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	220	°C	
Middle Temperature	240	°C	
Front Temperature	250	°C	
Mold Temperature	50.0 to 70.0	°C	
NOTE			

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Recommended distributors for this material

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