

Tecnoprene® F60K5 UA NAT005

Polypropylene Homopolymer

SO.F.TER. SPA

Message:

Polypropylene homopolymer reinforced with 25% chemically coupled glass fiber. UV resistant grade with antistatic additive

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Antistatic		
Features	Antistatic		
	Chemically Coupled		
	Good UV Resistance		
	Homopolymer		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage	0.60	%	Internal Method
Water Absorption (23°C, 24 hr)	0.020	%	ASTM D570
Ash Content	25	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	85.0	MPa	ASTM D638
Flexural Modulus	5500	MPa	ASTM D790
Flexural Strength	130	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	100	J/m	
23°C	130	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	148	°C	ASTM D648
Vicat Softening Temperature	133	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Dielectric Constant (1 kHz)	2.50		ASTM D150
Comparative Tracking Index	650	V	IEC 60112
Flammability	Nominal Value	Unit	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	190	°C
Middle Temperature	210	°C
Front Temperature	230	°C
Mold Temperature	50.0 to 70.0	°C
NOTE		
1.	Rate A (50°C/h), Loading 2 (50 N)	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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