

KumhoSunny PET HEG3620FG

Polyethylene Terephthalate

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HEG3620FG is 20%GF reinforced flame retardant PET resin. HEG3620FG has high rigidity, super shape resistance property, high heat resistance and fatigue resistance. HEG3620FG is mainly used in connector, switch, electric & electron parts etc. requiring flame class, etc.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Fatigue Resistant		
	Flame Retardant		
	High Heat Resistance		
	High Rigidity		
Uses	Connectors		
	Electrical Parts		
	Electrical/Electronic Applications		
	Switches		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	120	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	7000	MPa	ASTM D790
Flexural Strength	180	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	70	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	250	°C	
1.8 MPa, Unannealed	210	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.60 mm)	V-0	UL 94
Injection	Nominal Value	Unit
Drying Temperature	110 to 130	°C
Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	230 to 270	°C
Mold Temperature	40.0 to 70.0	°C

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