

TECHNO ABS F5451G10

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

TECHNO ABS F5451G10 is an Acrylonitrile Butadiene Styrene (ABS) product filled with 10% glass fiber. It can be processed by injection molding and is available in Asia Pacific or North America.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
UL YellowCard	E54297-244149	E54297-244213	
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	24	g/10 min	ISO 1133
Molding Shrinkage	0.30 to 0.50	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	112		ASTM D785
R-Scale	110		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	58.8	MPa	ASTM D638
Yield	63.0	MPa	ISO 527-2
Flexural Modulus			
--	4020	MPa	ASTM D790
--	3690	MPa	ISO 178
Flexural Strength			
--	98.1	MPa	ASTM D790
--	94.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m ²	ISO 179
Notched Izod Impact	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	98.0	°C	ASTM D648

0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
2.10 mm, ALL	V-0		
2.50 mm, ALL	5VA		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 5.0	hr	
Rear Temperature	180 to 230	°C	
Middle Temperature	180 to 230	°C	
Front Temperature	180 to 230	°C	
Mold Temperature	50.0 to 100	°C	

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