

SANREX S10G20

Styrene Acrylonitrile
Techno Polymer Co, Ltd.

Message:

SANREX S10G20 is a Styrene Acrylonitrile (SAN) product filled with 20% glass fiber. It can be processed by injection molding and is available in Asia Pacific or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E54297-244450		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage	0.10 to 0.30	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
M-Scale	92		ASTM D785
M-Scale	91		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	125	MPa	ASTM D638
Yield	118	MPa	ISO 527-2
Flexural Modulus			
--	5980	MPa	ASTM D790
--	6230	MPa	ISO 178
Flexural Strength			
--	154	MPa	ASTM D790
--	158	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.2	kJ/m ²	ISO 179
Notched Izod Impact	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	104	°C	ASTM D648
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating (ALL)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	75.0 to 85.0	°C
Drying Time	2.0 to 5.0	hr
Rear Temperature	190 to 260	°C
Middle Temperature	190 to 260	°C
Front Temperature	190 to 260	°C
Mold Temperature	40.0 to 80.0	°C

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