

EXCELLOY SX220

Acrylonitrile Butadiene Styrene

Techno Polymer Co, Ltd.

Message:

EXCELLOY SX220 is an acrylonitrile butadiene styrene (ABS) product. It can be processed by injection molding and is available in North America or Asia Pacific. The main characteristics are: flame retardant/rated flame.

General Information			
UL YellowCard	E54297-244434		
Features	Low friction coefficient		
UL File Number	E54297		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	11	g/10 min	ISO 1133
Molding Shrinkage	0.50 - 0.70	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class r	104		ASTM D785
R scale	104		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	43.1	MPa	ASTM D638
Yield	45.0	MPa	ISO 527-2
Flexural Modulus			
--	2350	MPa	ASTM D790
--	2150	MPa	ISO 178
Flexural Strength			
--	71.6	MPa	ASTM D790
--	68.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	20	kJ/m ²	ISO 179
Notched Izod Impact	250	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	96.0	°C	ASTM D648
0.45 MPa, not annealed	82.0	°C	ISO 75-2/B
Flammability	Nominal Value	Test Method	
Flame Rating (ALL)	HB	UL 94	
Injection	Nominal Value	Unit	

Drying Temperature	85.0 - 95.0	°C
Drying Time	2.0 - 5.0	hr
Rear Temperature	190 - 260	°C
Middle Temperature	190 - 260	°C
Front Temperature	190 - 260	°C
Mold Temperature	40.0 - 80.0	°C

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