

Next ABS SXF-01NC

Acrylonitrile Butadiene Styrene

Next Polymers Ltd.

Message:

Description
ABS Un Filled FR Natural Compound
Product Applications
It is an ideal for an structural application such as Transformer housing, switches, sheving & air conditioner components.
Benefits
Good Toughness & chemical resistance, Excellent moldability, UL94- V0 /5VA Rated

General Information			
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Moldability		
	Good Toughness		
Uses	Housings		
	Structural Parts		
	Switches		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/5.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.40	%	
Across Flow	0.40	%	
Water Absorption			ASTM D570
23°C, 24 hr	0.28	%	
Saturation ¹	0.60	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ASTM D638
Tensile Strength	42.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2650	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	110	°C	
1.8 MPa, Unannealed	90.0	°C	
Vicat Softening Temperature	105	°C	ASTM D1525
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	22	kV/mm	ASTM D149
Arc Resistance	30.0	sec	ASTM D495
Arc Resistance	PLC 7		ASTM D495
Comparative Tracking Index (CTI)	> 400	V	UL 746
Comparative Tracking Index (CTI)	PLC 0		UL 746
Hot-wire Ignition (HWI)	22	sec	UL 746
Hot-wire Ignition (HWI)	PLC 3		UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Hot Air Dryer	70.0	°C	
Drying Time	4.0 to 6.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	210 to 215	°C	
Middle Temperature	215 to 220	°C	
Front Temperature	220 to 230	°C	
Mold Temperature	45.0 to 65.0	°C	
NOTE			
1.	Immersed		

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