

Next ABS SXT4-02ABK

Acrylonitrile Butadiene Styrene

Next Polymers Ltd.

Message:

Description
ABS Modified Black Compound
Product Applications
Automotive sector, Appliance components & Housing Application
Benefits
Having high impact resistance, High heat, better Flow

General Information			
Features	Good Flow		
	High Heat Resistance		
	High Impact Resistance		
Uses	Appliance Components		
	Automotive Applications		
	Housings		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	> 8.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.25	%	
Across Flow	0.25	%	
Water Absorption			ASTM D570
23°C, 24 hr	0.30	%	
Saturation ¹	0.60	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2750	MPa	ASTM D638
Tensile Strength	57.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2800	MPa	ASTM D790
Flexural Strength	75.0	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	104	°C	
Vicat Softening Temperature	115	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	21	kV/mm	ASTM D149
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)	HB		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	220 to 230	°C	
Middle Temperature	240 to 250	°C	
Front Temperature	250 to 260	°C	
Mold Temperature	65.0 to 85.0	°C	
NOTE			
1.	Immersed		

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