

Next ABS SX-02ABK

Acrylonitrile Butadiene Styrene

Next Polymers Ltd.

Message:

Description

ABS Un Filled Black Compound

Product Applications

Typical application such as computer monitor,Printer,Photocopying machine,calculators ,Batttries,Lighting diffusers, Auto exterior parts etc

Benefits

Good low Temperature Toughness, High gloss & weather resistance

General Information			
Features	Good Weather Resistance		
	High Gloss		
	Low Temperature Resistant		
Uses	Automotive Exterior Parts		
	Batteries		
	Calculators		
	Computer Components		
	Printer		
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/5.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.60	%	
Across Flow	0.60	%	
Water Absorption			ASTM D570
23°C, 24 hr	0.30	%	
Saturation ¹	0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength	35.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790

Flexural Strength	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	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	92.0	°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	18	kV/mm	ASTM D149
Arc Resistance	160	sec	ASTM D495
Arc Resistance	PLC 5		ASTM D495
Comparative Tracking Index (CTI)	> 550	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	210 to 220	°C	
Middle Temperature	220 to 230	°C	
Front Temperature	230 to 240	°C	
Mold Temperature	45.0 to 65.0	°C	
NOTE			
1.	Immersed		

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