

Next ABS SX02-AHRBK

Acrylonitrile Butadiene Styrene

Next Polymers Ltd.

Message:

Description
ABS Modified Black Compound
Product Applications
Automotive exterior, Automotive interior & Housing Application
Benefits
Good Toughness, Medium heat, Good Flow

General Information			
Features	Good Flow		
	Good Toughness		
	Medium Heat Resistance		
Uses	Automotive Exterior Parts		
	Automotive Interior Parts		
	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)	> 16	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.30	%	
Across Flow	0.30	%	
Water Absorption			ASTM D570
23°C, 24 hr	0.32	%	
Saturation ¹	0.75	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ASTM D638
Tensile Strength	43.0	MPa	ASTM D638
Tensile Elongation (Break)	21	%	ASTM D638
Flexural Modulus	2160	MPa	ASTM D790
Flexural Strength	65.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	200	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	105	°C	
Vicat Softening Temperature	115	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	22	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT