

Next ABS SG15-01BK

Acrylonitrile Butadiene Styrene

Next Polymers Ltd.

Message:

Description
ABS Glass Fiber Reinforced Black Compound
Product Applications
It is an ideal for Automotive application
Benefits
Good strength & wear resistance.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Good Strength		
	Good Wear Resistance		
Uses	Automotive Applications		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/5.0 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.20	%	
Across Flow	0.20	%	
Water Absorption			ASTM D570
23°C, 24 hr	0.13	%	
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	6000	MPa	ASTM D638
Tensile Strength	60.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5500	MPa	ASTM D790
Flexural Strength	127	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed	112	°C	
1.8 MPa, Unannealed	105	°C	
Vicat Softening Temperature	103	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+17	ohms	IEC 60093
Volume Resistivity	1.0E+18	ohms·cm	IEC 60093
Dielectric Strength	18	kV/mm	ASTM D149
Comparative Tracking Index	> 400	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature - Hot Air Dryer	80.0	°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 75.0	°C	
NOTE			
1.	Immersed		

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