

Badalac® ABS 20 GF15

Acrylonitrile Butadiene Styrene

Bada AG

Message:

Easy flowing, 15% glass fibres reinforced standard injection moulding grade

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Features	Good Flow		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.10	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	10.0	cm ³ /10min	ISO 1133
Water Absorption			ISO 62
Saturation, 23°C	0.90	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (23°C)	6000	MPa	ISO 527-2/1
Tensile Stress ² (Break, 23°C)	85.0	MPa	ISO 527-2/5
Tensile Strain ³ (Break, 23°C)	2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁴			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength ⁵			ISO 179/1eU
-30°C	20	kJ/m ²	
23°C	25	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁶			
0.45 MPa, Unannealed	115	°C	ISO 75-2/B
1.8 MPa, Unannealed	110	°C	ISO 75-2/A
Vicat Softening Temperature ⁷			
--	116	°C	ISO 306/A50
--	114	°C	ISO 306/B50
Maximum Service Temperature - 20000 hrs	85	°C	IEC 216
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ⁸	1.0E+13	ohms	IEC 60093
Volume Resistivity ⁹	1.0E+13	ohms · cm	IEC 60093
Electric Strength ¹⁰	37	kV/mm	IEC 60243-1

Relative Permittivity ¹¹ (1 MHz)	2.80		IEC 60250
Dissipation Factor ¹² (1 MHz)	7.9E-3		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating ¹³ (0.800 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	30.0 to 60.0	°C	
NOTE			

1.	Test Specimen according to ISO 3167, Type A
2.	Test Specimen according to ISO 3167, Type A
3.	Test Specimen according to ISO 3167, Type A
4.	80x10x4 mm
5.	80x10x4 mm
6.	110x10x4 mm
7.	Compound for moulding
8.	80x80x1 mm
9.	80x80x1 mm
10.	80x80x1 mm
11.	80x80x1 mm
12.	80x80x1 mm
13.	125x13x0.8 mm

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