

DENKA ABS GR-2020G

Acrylonitrile Butadiene Styrene

Denka Company Limited

Message:

DENKA ABS GR-2020G is an Acrylonitrile Butadiene Styrene (ABS) product filled with 20% glass fiber. It is available in Asia Pacific, Europe, or North America. Primary characteristic: flame rated.

General Information			
UL YellowCard	E49895-241440		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	General Purpose		
Uses	General Purpose		
UL File Number	E49895		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.17	g/cm ³	ASTM D792
23°C	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	4.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.10 to 0.30	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	121		ASTM D785
R-Scale	118		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	98.0	MPa	ASTM D638
--	5860	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	88.0	MPa	
Break	88.0	MPa	
Nominal Tensile Strain at Break	4.0	%	ISO 527-2/50
Flexural Modulus			
-- ²	5590	MPa	ASTM D790
-- ³	5820	MPa	ISO 178
Flexural Strength			
-- ⁴	137	MPa	ASTM D790
-- ⁵	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179
Notched Izod Impact	110	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed ⁶	104	°C	ASTM D648
1.8 MPa, Unannealed	103	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	112	°C	ASTM D1525 ⁷
--	109	°C	ISO 306/B
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			

1.	5.0 mm/min
2.	15 mm/min
3.	2.0 mm/min
4.	15 mm/min
5.	2.0 mm/min
6.	Edgewise
7.	Loading 2 (50 N)

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

