

Toyolac® 855VG20

Acrylonitrile Butadiene Styrene

Toray Resin Company

Message:

Toyolac® 855VG20 is an Acrylonitrile Butadiene Styrene (ABS) product filled with 20% glass fiber. It is available in Asia Pacific, Europe, or North America. Characteristics include:
Flame Rated
Flame Retardant

General Information			
UL YellowCard	E41797-233286	E41797-233288	
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Part Marking Code	>ABS-GF20-FR(17)<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.34	g/cm³	ASTM D792
23°C	1.34	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	22	g/10 min	ISO 1133
Molding Shrinkage	0.20 to 0.60	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	118		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	98.0	MPa	ASTM D638
23°C	104	MPa	ISO 527-2
Tensile Elongation			
Break	3.0	%	ASTM D638
Break, 23°C	3.0	%	ISO 527-2
Flexural Modulus			
--	6860	MPa	ASTM D790
23°C	7200	MPa	ISO 178
Flexural Strength			
--	137	MPa	ASTM D790
23°C	155	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m²	ISO 179
Notched Izod Impact (23°C, 12.7 mm)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			
1.8 MPa, Unannealed, 6.40 mm	100	°C	ASTM D648
1.8 MPa, Unannealed	100	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (2.50 mm)	5VA	UL 94	

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

