

Toyolac® 100G-23R

Acrylonitrile Butadiene Styrene

Toray Resin Company

Message:

Toyolac® 100G-23R is an Acrylonitrile Butadiene Styrene (ABS) product filled with 23% glass bead\glass fiber. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Warp Resistant

General Information			
Filler / Reinforcement	Glass Bead\Glass Fiber,23% Filler by Weight		
Features	Low Warpage		
Part Marking Code	>ABS-(GF+GS)23<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.23	g/cm ³	ASTM D792
23°C	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	37	g/10 min	ISO 1133
Molding Shrinkage	0.10 to 0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	88.0	MPa	ASTM D638
23°C	84.0	MPa	ISO 527-2
Tensile Elongation			
Break	3.0	%	ASTM D638
Break, 23°C	2.0	%	ISO 527-2
Flexural Modulus			
--	6700	MPa	ASTM D790
23°C	6290	MPa	ISO 178
Flexural Strength			
--	127	MPa	ASTM D790
23°C	135	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m ²	ISO 179
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	77	J/m	
23°C, 12.7 mm	63	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 6.40 mm	103	°C	ASTM D648

1.8 MPa, Unannealed	103	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	
Flammability	Nominal Value	Test Method	
Flame Rating	HB	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

