

Toyolac® 100G-30R

Acrylonitrile Butadiene Styrene

Toray Resin Company

Message:

Toyolac® 100G-30R is an Acrylonitrile Butadiene Styrene (ABS) product filled with 30% 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,30% Filler by Weight		
Features	Low Warpage		
Part Marking Code	>ABS-(GF+GS)30<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.26	g/cm³	ASTM D792
23°C	1.26	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	32	g/10 min	ISO 1133
Molding Shrinkage	0.10 to 0.30	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	117		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	89.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	7300	MPa	ISO 178
Flexural Stress (23°C)	144	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	104	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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