

Toyolac® 100-G10

Acrylonitrile Butadiene Styrene
Toray Plastics (Malaysia) Sdn. Bhd.

Message:

Toyolac® 100-G10 is an Acrylonitrile Butadiene Styrene (ABS) material filled with 10% glass fiber. It is available in Asia Pacific or Europe.
Important attributes of Toyolac® 100-G10 are:
Flame Rated
RoHS Compliant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	30	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5100	MPa	ISO 527-2/1
Tensile Strength			
Break ¹	83.0	MPa	ASTM D638
Break	75.0	MPa	ISO 527-2/5
Tensile Elongation			
Break ²	3.0	%	ASTM D638
Break	> 2.0	%	ISO 527-2/5
Flexural Modulus ³	4500	MPa	ASTM D790
Flexural Strength			
-- ⁴	130	MPa	ASTM D790
-- ⁵	129	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179/1eA
Notched Izod Impact (23°C, 12.7 mm)	88	J/m	ASTM D256
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	97.0	°C	ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
NOTE			

1.	5.0 mm/min
2.	5.0 mm/min
3.	3.0 mm/min
4.	3.0 mm/min
5.	2.0 mm/min

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

