

Toyolac® 550R-T25

Acrylonitrile Butadiene Styrene

Toray Resin Company

Message:

Toyolac® 550R-T25 is an Acrylonitrile Butadiene Styrene (ABS) product filled with 25% glass\mineral. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Warp Resistant

General Information			
UL YellowCard	E41797-483165		
Filler / Reinforcement	Glass\Mineral,25% Filler by Weight		
Features	Low Warpage		
Part Marking Code	>ABS-(GF+MD)25<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.23	g/cm³	ASTM D792
23°C	1.23	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	29	g/10 min	ISO 1133
Molding Shrinkage	0.10 to 0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	86.0	MPa	ASTM D638
23°C	80.0	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	6200	MPa	ISO 178
Flexural Strength			
--	125	MPa	ASTM D790
23°C	128	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	57	J/m	
23°C, 12.7 mm	46	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	104	°C	ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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