

Toyolac™ 550R-T25

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

General Information

Product Description

Low warpage, (GF+MD)25%

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Filler / Reinforcement	• Glass Fiber/Mineral, 25% Filler by Weight
Features	• High Strength • Low Warpage
Uses	• Electrical/Electronic Applications
Processing Method	• Injection Molding
ISO Designation	• >ABS-(GF+MD)25<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	29	g/10 min	ISO 1133
Molding Shrinkage ²	0.10 to 0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	11600	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.0	%	ISO 527-2
Flexural Modulus (73°F)	899000	psi	ISO 178
Flexural Stress (73°F)	18600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	2.4	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	219	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in, Black)	HB		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.

² 23°C/50%RH

