

Toyolac™ VX10G20

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene + PBT

General Information

Product Description

ABS/PBT Alloy, GF20%

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• High Strength		
Uses	• Automotive Interior Parts	• Electrical Housing	
Processing Method	• Injection Molding		
ISO Designation	• >PBT+ABS-GF20<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.30	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	36	g/10 min	ISO 1133
Molding Shrinkage ²	0.40 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	14600	psi	ISO 527-2
Tensile Strain (Break, 73°F)	4.0	%	ISO 527-2
Flexural Modulus (73°F)	877000	psi	ISO 178
Flexural Stress (73°F)	22900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	234	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in, NC, BK)	HB		UL 94

Notes

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

² 23°C/50%RH

