



Torayca™ ASHT-30 B1

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

General Information

Product Description

CF30%

General

Filler / Reinforcement	• Carbon Fiber, 30% Filler by Weight		
Features	• Antistatic	• High Strength	• Thermally Conductive
Uses	• Automotive Applications • Automotive Interior Parts	• Musical Instruments • Printer	• White Goods & Small Appliances
Processing Method	• Injection Molding		
ISO Designation	• >ABS-CF30<		

Properties¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.21	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	14500	psi	ISO 527-2
Tensile Strain (Break, 73°F)	1.0	%	ISO 527-2
Flexural Modulus (73°F)	2.90E+6	psi	ISO 178
Flexural Stress (73°F)	23200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	223	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	10	ohms	Internal Method

Notes

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