



Torayca™ ASHT-18A

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

General Information

Product Description

CF18%

General

Filler / Reinforcement	• Carbon Fiber, 18% Filler by Weight		
Features	• Antistatic	• High Strength	• Thermally Conductive
Uses	• Automotive Applications • Cell Phones	• Musical Instruments • Printer	• White Goods & Small Appliances
Processing Method	• Injection Molding		
ISO Designation	• >ABS-CF18<		

Properties¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	4.4	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	18300	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.0	%	ISO 527-2
Flexural Modulus (73°F)	2.10E+6	psi	ISO 178
Flexural Stress (73°F)	27100	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	228	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+3	ohms	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.12 in, BK)	HB		UL 94

Notes

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