



Torayca™ CF21-106 B1

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

General Information

Product Description

CF10%

General

Filler / Reinforcement	• Carbon Fiber, 10% Filler by Weight
Features	• Antistatic • High Strength • Thermally Conductive
Uses	• Printer
Processing Method	• Injection Molding
ISO Designation	• >ABS-CF10<

Properties¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/10.0 kg)	40	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	9430	psi	ISO 527-2
Tensile Strain (Break, 73°F)	1.8	%	ISO 527-2
Flexural Modulus (73°F)	870000	psi	ISO 178
Flexural Stress (73°F)	13100	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	212	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+3	ohms	Internal Method

Notes

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