

Torayca™ ASHT-18A ABS

TECHNICAL DATA

Product Description

CF18%

Uses

- Automotive Applications
- Cell Phones
- Musical Instruments
- Printer
- White Goods & Small Appliances

Processing Method

- Injection Molding

ISO Designation

- >ABS-CF18<

Type

- Short carbon fiber reinforced ABS

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.14	g/cm³	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 Strength (23°C)	126	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	14500	MPa	ISO 178
Flexural Stress (23°C)	187	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	109	°C	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 (3.0 mm, BK)	HB		UL 94

