

Torayca™ VX84K-20

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene + PBT

General Information

Product Description

CF+GF, Flame retardant

General

Filler / Reinforcement	• Glass Fiber/Carbon Fiber, 20% Filler by Weight
Additive	• Flame Retardant
Features	• Antistatic • Chemical Resistant • Flame Retardant • High Strength • Thermally Conductive
Uses	• Printer
Processing Method	• Injection Molding
ISO Designation	• >PBT+ABS-(CF+GF)20FR(17)<

Properties¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.39	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	40	g/10 min	ISO 1133
Molding Shrinkage ²			Internal Method
Across Flow : 0.118 in	0.40	%	
Flow : 0.118 in	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	21000	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.7	%	ISO 527-2
Flexural Modulus (73°F)	1.89E+6	psi	ISO 178
Flexural Stress (73°F)	31900	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	340	°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 (0.06 in)	V-0		UL 94

Notes

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

² 80x80x3mm