

XYRON™ G703Z

Asahi Kasei Corporation - Polyphenylene Ether + PS

General Information

General	
Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PPE+PS-GF30FR(40)<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage (0.0787 in)	0.17 to 0.48	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	19700	psi	ISO 527-2
Tensile Strain (Break, 73°F)	3.0	%	ISO 527-2
Flexural Modulus (73°F)	1.31E+6	psi	ISO 178
Flexural Stress (73°F)	28600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.2	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	286	°F	ISO 75-2/A
CLTE - Flow	1.2E-5	in/in/°F	ISO 11359-2
CLTE - Transverse	4.1E-5	in/in/°F	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.030 in)	V-0		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Hot Air Dryer	194 to 212	°F
Drying Time - Hot Air Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	500 to 572	°F
Mold Temperature	194 to 212	°F

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