

**XYRON™ G532Z**

Asahi Kasei Corporation - Polyphenylene Ether + PS

**General Information**
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Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • North America
Filler / Reinforcement	• Glass Fiber/Mineral, 20% Filler by Weight
Additive	• Flame Retardant
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PPE+PS-(GF+MD)20FR(40)<

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.28	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage (0.0787 in)	0.21 to 0.32	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	13800	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.0	%	ISO 527-2
Flexural Modulus (73°F)	972000	psi	ISO 178
Flexural Stress (73°F)	22200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft-lb/in <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	250	°F	ISO 75-2/A
CLTE - Flow	1.9E-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	482 to 572	°F
Mold Temperature	158 to 194	°F

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
