

XYRON™ G601Z

Asahi Kasei Corporation - Polyphenylene Ether + PS

General Information

Product Description

Modified PPE

10% Filler reinforced Flame retardant V-0

General

Filler / Reinforcement • Glass Fiber, 10% Filler by Weight

Additive • Flame Retardant

Features • Flame Retardant

Processing Method • Injection Molding

Part Marking Code (ISO11469) (ISO 11469) • >PPE+PS-GF10FR(40)<

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Molding Shrinkage ² (2.00 mm)	0.48 to 0.49	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	84.0	MPa	ISO 527
Tensile Strain (Break, 23°C)	4.0	%	ISO 527
Flexural Modulus (23°C)	3700	MPa	ISO 178
Flexural Stress (23°C)	136	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³ (23°C)	9.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	118	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow : -30 to 65°C	3.8E-5	cm/cm/°C	
Transverse : -30 to 65°C	7.3E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity (23°C)	1.0E+16	ohms·cm	IEC 60093



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Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.5 mm		V-0	
2.0 mm		5VA	

Processing Information			
Injection	Nominal Value	Unit	
Drying Temperature	90 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	260 to 300	°C	
Mold Temperature	60 to 100	°C	

Notes

- ¹ Typical properties: these are not to be construed as specifications.
- ² 150x150x2 mm
- ³ 4 mm

