

XYRON™ G793Z

Asahi Kasei Corporation - Polyphenylene Ether + PS

General Information

Product Description

Modified PPE
30% Filler reinforced Flame retardant V-0

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Processing Method	• Injection Molding
Part Marking Code (ISO11469) (ISO 11469)	• >PPE+PS-GF30FR(40)<

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage ² (2.00 mm)	0.19 to 0.69	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	127	MPa	ISO 527
Tensile Strain (Break, 23°C)	2.0	%	ISO 527
Flexural Modulus (23°C)	9100	MPa	ISO 178
Flexural Stress (23°C)	189	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³ (23°C)	11	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	148	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow : -30 to 65°C	2.1E-5	cm/cm/°C	
Transverse : -30 to 65°C	6.3E-5	cm/cm/°C	
RTI Elec (0.75 mm)	110	°C	UL 746B
RTI Imp (0.75 mm)	100	°C	UL 746B
RTI Str (0.75 mm)	110	°C	UL 746B



XYRON™ G793Z

Asahi Kasei Corporation - Polyphenylene Ether + PS

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
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.75 mm		V-0	
2.5 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

