

XYRON™ DG040

Asahi Kasei Corporation - Polyphenylene Sulfide + PPE

General Information

Product Description

Modified PPE
PPS/PPE alloy
40% Filler reinforced Flame retardant V-1

General

Filler / Reinforcement	• Glass Flake, 40% Filler by Weight
Additive	• Flame Retardant
Features AKEP website	• Barrier, Gas • Barrier, Moisture • Dimensional Stability, Good • Flame Retardant • Flash Improved • Fogging, Low • Warpage, Low
Forms	• Pellets
Processing Method	• Injection Molding
Part Marking Code (ISO11469) (ISO 11469)	• >PPS+PPE-GS40<

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Molding Shrinkage (2.00 mm)	0.20 to 0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	66.0	MPa	ISO 527
Tensile Strain (Break)	1.0	%	ISO 527
Flexural Modulus	9500	MPa	ISO 178
Flexural Stress	106	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	2.0	kJ/m ²	ISO 179



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Processing Information		
Injection	Nominal Value	Unit
Drying Temperature - Hot Air Dryer	120	°C
Drying Time - Hot Air Dryer	3.0 to 4.0	hr
Processing (Melt) Temp	300 to 330	°C
Mold Temperature	120 to 150	°C

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

