

XYRON®X8401

Polyphenylene Ether + PS
Asahi Kasei Chemicals Corporation

Message:

Modified PPE
30% Filler reinforced Flame retardant V-1
Electrically Conductive, Stiffness High, Warpage Low

General Information			
UL YellowCard	E82268-100921606		
Filler / Reinforcement	Filler,30% Filler by Weight		
Additive	Flame Retardant		
Features	Electrically Conductive		
	Flame Retardant		
	High Stiffness		
	Low Warpage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	ISO 1183
Molding Shrinkage ¹ (2.00 mm)	0.15 to 0.35	%	Internal Method
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	83.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	11000	MPa	ISO 178
Flexural Stress (23°C)	127	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	118	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	3.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+3	ohms	IEC 60093
Volume Resistivity (23°C)	1.0E+2 to 1.0E+3	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	UL 94		
1.50 mm	V-1		
1.80 mm	V-0		
2.50 mm	5VA		

Injection	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	250 to 300	°C
Mold Temperature	60.0 to 90.0	°C

NOTE

1. 150x150x2 mm
2. 4 mm

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