

# XYRON™ X352H

Polyphenylene Ether + PS

Asahi Kasei Chemicals Corporation

## Message:

Modified PPE

20% Filler reinforced Non-Flame retardant

Appearance good, Warpage Low

General Information			
UL YellowCard	E82268-250921		
Filler / Reinforcement	Filler,20% Filler by Weight		
Features	Low Warpage Pleasing Surface Appearance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>1</sup> (2.00 mm)	0.35 to 0.55	%	Internal Method
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	%	ISO 527-2
Flexural Modulus (23°C)	4700	MPa	ISO 178
Flexural Stress (23°C)	99.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength <sup>2</sup> (23°C)	4.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	100	°C	ASTM D648
1.8 MPa, Unannealed	97.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	5.0E-5	cm/cm/°C	ISO 11359-2
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 (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	240 to 300	°C	
Mold Temperature	50.0 to 80.0	°C	

## NOTE

- |    |              |
|----|--------------|
| 1. | 150x150x2 mm |
| 2. | 4 mm         |

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## Recommended distributors for this material

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