

**XYRON™ 600H**

Asahi Kasei Corporation - Polyphenylene Ether + PS

**General Information**
**Product Description**

 Modified PPE  
 Unreinforced non-Flame retardant  
 Heat resistance High

**General**

Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>
Availability	<ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> <li>Europe</li> <li>North America</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>
Part Marking Code (ISO 11469)	<ul style="list-style-type: none"> <li>&gt;PPE+PS&lt;</li> </ul>

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>2</sup> (0.0787 in)	0.60 to 0.90	%	Internal Method
Water Absorption (24 hr, 73°F)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	8850	psi	ISO 527
Nominal Tensile Strain at Break (73°F)	17	%	ISO 527
Flexural Modulus (73°F)	363000	psi	ISO 178
Flexural Stress (73°F)	14600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength <sup>3</sup> (73°F)	9.0	ft·lb/in <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	255	°F	ISO 75-2/A
CLTE - Flow (-22 to 149°F)	3.7E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (-22 to 149°F)	3.8E-5	in/in/°F	ISO 11359-2
Heat Deflection Temperature - (1.8MPa, Unannealed)	266	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity (73°F)	1.0E+16	ohms·cm	IEC 60093
Dielectric Constant			IEC 60250
100 Hz	2.80		
1 MHz	2.80		
Dissipation Factor			IEC 60250
100 Hz	5.0E-4		
1 MHz	6.0E-4		
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature - Hot Air Dryer	194 to 212	°F
Drying Time - Hot Air Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	482 to 572	°F
Mold Temperature	140 to 194	°F

