

XYRON™ X364V

Asahi Kasei Corporation - Polyphenylene Ether + PS

General Information

Product Description			
Modified PPE 35% Filler reinforced Flame retardant V-1 Stiffness High, Warpage Low			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	
	• Asia Pacific	• North America	
Filler / Reinforcement	• Glass Flake\Mineral, 35% Filler by Weight		
Additive	• Flame Retardant		
Features	• Flame Retardant	• Halogen Free	• Low Warpage
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm ³	ISO 1183
Molding Shrinkage ² (0.0787 in)	0.13 to 0.17	%	Internal Method
Water Absorption (24 hr, 73°F)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	8560	psi	ISO 527
Tensile Strain (Break, 73°F)	3.0	%	ISO 527
Flexural Modulus (73°F)	1.33E+6	psi	ISO 178
Flexural Stress (73°F)	14600	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³ (73°F)	0.95	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	225	°F	ISO 75-2/A
CLTE - Flow (-22 to 149°F)	1.6E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (-22 to 149°F)	2.3E-5	in/in/°F	ISO 11359-2
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 (5.20 GHz)	3.30		SPDR
Dissipation Factor (5.20 GHz)	4.0E-3		SPDR
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-1		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	500 to 590	°F
Mold Temperature	140 to 212	°F

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

² 150x150x2 mm

³ 4 mm
