

XYRON™ VM34V

Asahi Kasei Corporation - Polyphenylene Ether + PS

General Information
Product Description

 Modified PPE
 35% Filler reinforced
 Acoustic Damping
 Loss factor 1.3

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • North America
Filler / Reinforcement	• Glass, 35% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant • Halogen Free • Noise Damping
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Molding Shrinkage ² (0.0787 in)	0.18 to 0.32	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 73°F)	9140	psi	ISO 527
Nominal Tensile Strain at Break (73°F)	3.0	%	ISO 527
Flexural Modulus (73°F)	812000	psi	ISO 178
Flexural Stress (73°F)	14900	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³ (73°F)	3.3	ft-lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	221	°F	ISO 75-2/A
CLTE - Flow (-22 to 149°F)	1.2E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (-22 to 149°F)	3.1E-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

Processing Information

Injection	Nominal Value	Unit
Drying Temperature - Hot Air Dryer	212 to 230	°F
Drying Time - Hot Air Dryer	3.0 to 4.0	hr
Processing (Melt) Temp	482 to 554	°F
Mold Temperature	122 to 176	°F

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

² 150x150x2 mm

³ 4 mm
