

XYRON™ VT31V

Polyphenylene Ether + PS
Asahi Kasei Chemicals Corporation

Message:

Modified PPE
10% Filler reinforced Flame retardant V-1
Acoustic Damping

General Information			
UL YellowCard	E82268-100054935		
Filler / Reinforcement	Filler,10% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Noise Damping		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage ¹ (2.00 mm)	0.40 to 0.60	%	Internal Method
Water Absorption (23°C, 24 hr)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	46.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	30	%	ISO 527-2
Flexural Modulus (23°C)	2410	MPa	ISO 178
Flexural Stress (23°C)	79.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	7.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	100	°C	ASTM D648
1.8 MPa, Unannealed	96.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	6.0E-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	UL 94		
0.750 mm	V-2		
1.50 mm	V-1		
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	

Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	250 to 290	°C
Mold Temperature	50.0 to 80.0	°C
NOTE		
1.	150x150x2 mm	
2.	4 mm	

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