

XYRON™ DV166

Polyphenylene Sulfide + PPE
Asahi Kasei Chemicals Corporation

Message:

Modified PPE
PPS/PPE alloy
60% Filler reinforced Flame retardant V-1

General Information			
UL YellowCard	E82268-100063120		
Filler / Reinforcement	Filler,60% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.83	g/cm ³	ISO 1183
Molding Shrinkage ¹ (2.00 mm)	0.050 to 0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	88.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	16400	MPa	ISO 178
Flexural Stress (23°C)	154	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	5.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	262	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	3.0E-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
Electric Strength ³ (2.00 mm)	40	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
100 Hz	4.80		
1 MHz	4.20		
Dissipation Factor			IEC 60250
100 Hz	0.021		
1 MHz	0.013		
Flammability	Nominal Value	Unit	Test Method
Flame Rating (2.50 mm)	V-1		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	120	°C
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	300 to 330	°C
Mold Temperature	90.0 to 130	°C

NOTE

1. 150x150x2 mm
2. 4 mm
3. Short Time

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