XYRON™ PV40Z

Polyphenylene Ether + PS

Asahi Kasei Chemicals Corporation

Message:

Modified PPE
Unreinforced Flame retardant V-0
Impact resistance High

General Information			
UL YellowCard	E82268-100822702		
Additive	Flame Retardant		
Features	Flame Retardant High Impact Resistance		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.09	g/cm³	ISO 1183
Molding Shrinkage [1] (2.00 mm)	0.50 to 0.70	%	Internal Method
Water Absorption (23°C, 24 hr)	0.10	%	ISO 62
Outdoor Suitability (Black)	f1		UL 746C
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	56.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	18	%	ISO 527-2
Flexural Modulus (23°C)	2060	MPa	ISO 178
Flexural Stress (23°C)	88.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [2] (23°C)	46	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	106	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	7.0E-5	cm/cm/°C	ISO 11359-2
Electrical	**Nominal Value**		**Test Method**
Dielectric Constant			IEC 60250
100 Hz	2.90		
1 MHz	2.90		
Dissipation Factor			IEC 60250
100 Hz	6.0E-3		
1 MHz	8.0E-3		
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94
0.750 mm	V-0		

2.00 mm	5VB	
2.50 mm	5VA	
Injection	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	290 to 320	°C
Mold Temperature	60.0 to 100	°C
NOTE		
1.	150x150x2 mm	
2.	4 mm	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

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