

XYRON™ 440Z

Polyphenylene Ether + PS
Asahi Kasei Chemicals Corporation

Message:
Modified PPE
Unreinforced Flame retardant V-0

General Information			
UL YellowCard	E82268-100072747	E82268-250790	
Additive	Flame Retardant		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm ³	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)	57.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	13	%	ISO 527-2
Flexural Modulus (23°C)	2400	MPa	ISO 178
Flexural Stress (23°C)	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	15	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	110	°C	ASTM D648
1.8 MPa, Unannealed	104	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	7.0E-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)	29	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
100 Hz	2.90		
1 MHz	2.90		
Dissipation Factor			IEC 60250
100 Hz	3.0E-3		
1 MHz	4.0E-3		
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.750 mm	V-0	
2.50 mm	5VA	
Injection	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	24	hr
Processing (Melt) Temp	240 to 290	°C
Mold Temperature	50.0 to 80.0	°C
NOTE		
1.	150x150x2 mm	
2.	4 mm	
3.	Short Time	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

