

XYRON™ EV103

Polyphenylene Ether + PP
Asahi Kasei Chemicals Corporation

Message:
Modified PPE
PP/PPE alloy
Non-reinforced Dimensional stability Good

General Information			
Features	Good Dimensional Stability		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.928	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	2.0 to 2.5	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	37.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	51	%	ISO 527-2
Flexural Modulus (23°C)	2050	MPa	ISO 178
Flexural Stress (23°C)	57.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	19	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	97.0	°C	ASTM D648
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	9.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	8.4E+16	ohms · cm	IEC 60093
Electric Strength ³ (2.00 mm)	30	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
100 Hz	2.30		
1 MHz	2.30		
Dissipation Factor			IEC 60250
100 Hz	2.0E-4		
1 MHz	5.0E-4		
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	1.0 to 2.0	hr	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	50.0 to 70.0	°C	
NOTE			

1.	120x80x3 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

