

XYRON™ T0702

Polyphenylene Ether + PP
Asahi Kasei Chemicals Corporation

Message:

Modified PPE
PP/PPE alloy
Non-reinforced Heat Resistance High, Dimensional stability Good

General Information			
UL YellowCard	E82268-100501715		
Features	Good Dimensional Stability		
	High Heat Resistance		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Molding Shrinkage ¹ (2.00 mm)	0.090 to 1.2	%	Internal Method
Water Absorption (23°C, 24 hr)	0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	43.0	MPa	ISO 527-2
Nominal Tensile Strain at Break (23°C)	20	%	ISO 527-2
Flexural Modulus (23°C)	1880	MPa	ISO 178
Flexural Stress (23°C)	62.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	30	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed	135	°C	ASTM D648
1.8 MPa, Unannealed	120	°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
Volume Resistivity (23°C)	3.3E+17	ohms · cm	IEC 60093
Electric Strength ³ (2.00 mm)	41	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
100 Hz	2.50		
1 MHz	2.50		
Dissipation Factor			IEC 60250
100 Hz	2.0E-4		
1 MHz	7.0E-4		
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	90.0 to 100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	250 to 290	°C
Mold Temperature	50.0 to 90.0	°C

NOTE

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

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