AsahiKASEI

XYRON™ T0702

Asahi Kasei Corporation - Polyphenylene Ether + PP

General Information

Product Description		
Modified PPE		
PP/PPE alloy		
Non-reinforced Heat Resistance High, Dimensional stability Good		
General		
Features	• Good Dimensional Stability	• High Heat Resistance
Processing Method	• Injection Molding	
Part Marking Code (ISO11469) (ISO 11469)	• >PP+PPE<	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm³	ISO 1183
Molding Shrinkage [2] (2.00 mm)	0.90 to 1.1	%	Internal Method
Water Absorption (24 hr, 23°C)	0.040	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	42.0	MPa	ISO 527
Nominal Tensile Strain at Break (23°C)	10	%	ISO 527
Flexural Modulus (23°C)	1800	MPa	ISO 178
Flexural Stress (23°C)	59.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [3] (23°C)	25	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	125	°C	
CLTE			ISO 11359-2
Flow : -30 to 65°C	5.9E-5	cm/cm/°C	
Transverse : -30 to 65°C	8.1E-5	cm/cm/°C	

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Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.0E+16	ohms·cm	IEC 60093
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 (1.5 mm)	HB		UL 94

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	90 to 100	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	250 to 290	°C
Mold Temperature	50 to 90	°C

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] 150x150x2 mm

[3] 4 mm