XYRON™ T0703

Asahi Kasei Corporation - *Polyphenylene Ether + PP*

General Information

Product Description			
Modified PPE PP/PPE alloy Non-reinforced Heat Resistance High, Dimensional stability Good			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	
Features	• Gas Barrier	• Good Dimensional Stability	• Moisture Barrier
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >PP+PPE<		

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.01	g/cm³	ISO 1183
Molding Shrinkage [2] (0.0787 in)	1.0 to 1.2	%	Internal Method
Water Absorption (24 hr, 73°F)	0.040	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 73°F)	6240	psi	ISO 527
Nominal Tensile Strain at Break (73°F)	16	%	ISO 527
Flexural Modulus (73°F)	276000	psi	ISO 178
Flexural Stress (73°F)	8700	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [3] (73°F)	7.1	ft·lb/in²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Annealed)	244	°F	ISO 75-2/A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Dielectric Constant (5.20 GHz)	2.50		SPDR
Dissipation Factor (5.20 GHz)	1.0E-3		SPDR
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in)	HB		UL 94

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature - Hot Air Dryer	194 to 212	°F
Drying Time - Hot Air Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	482 to 554	°F
Mold Temperature	122 to 194	°F

Notes

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

[2] 150x150x2 mm

[3] 4 mm