AsahiKASEI

XYRON™ TT521

Asahi Kasei Corporation - Polyphenylene Ether + PP

General Information

Product Description		
Modified PPE		
PP/PPE alloy		
20% Filler Reinforced Dimensional stability Good		
General		
Filler / Reinforcement	• Filler, 20% Filler by Weight	
Features	• Good Dimensional Stability	• High Heat Resistance
Processing Method	• Injection Molding	
Part Marking Code (ISO11469) (ISO 11469)	• >PP+PPE-TD20<	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.13	g/cm³	ISO 1183
Molding Shrinkage [2] (2.00 mm)	0.70 to 0.90	%	Internal Method
Water Absorption (24 hr, 23°C)	0.040	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (23°C)	41.0	MPa	ISO 527
Nominal Tensile Strain at Break (23°C)	20	%	ISO 527
Flexural Modulus (23°C)	2900	MPa	ISO 178
Flexural Stress (23°C)	62.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength [3] (23°C)	6.0	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	109	°C	
CLTE			ISO 11359-2
Flow : -30 to 65°C	5.1E-5	cm/cm/°C	
Transverse : -30 to 65°C	7.6E-5	cm/cm/°C	
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.75 mm)	HB		UL 94

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Processing Information		
Injection	**Nominal Value**	**Unit**
Drying Temperature	90 to 110	°C
Drying Time	3.0 to 4.0	hr
Processing (Melt) Temp	250 to 280	°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