

XYRON™ 300H

Asahi Kasei Corporation - Polyphenylene Ether + PS

General Information

Product Description

Modified PPE
Unreinforced non Flame retardant
Easy flow

General

Processing Method • Injection Molding
Part Marking Code (ISO11469) (ISO 11469) • >PPE+PS<

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Molding Shrinkage ² (2.00 mm)	0.50 to 0.70	%	Internal Method
Water Absorption (24 hr, 23°C)	0.060	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	45.0	MPa	ISO 527
Nominal Tensile Strain at Break (23°C)	31	%	ISO 527
Flexural Modulus (23°C)	2400	MPa	ISO 178
Flexural Stress (23°C)	79.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ³ (23°C)	18	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	98.0	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow : -30 to 65°C	6.7E-5	cm/cm/°C	
Transverse : -30 to 65°C	7.9E-5	cm/cm/°C	
Heat Deflection Temperature - (1.8 MPa, Unannealed)	100	°C	ASTM D648



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Processing Information		
Injection	Nominal Value	Unit
Drying Temperature - Hot Air Dryer	90 to 100	°C
Drying Time - Hot Air Dryer	2.0 to 4.0	hr
Processing (Melt) Temp	240 to 280	°C
Mold Temperature	50 to 80	°C

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

² 150x150x2 mm

3 4 mm

