

XYRON™ AG211

Polyamide + PPE

Asahi Kasei Chemicals Corporation

Message:

Modified PPE
PA/PPE alloy
10% Filler reinforced Non-Flame retardant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.50 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	94.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2
Flexural Modulus (23°C)	3700	MPa	ISO 178
Flexural Stress (23°C)	148	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	11	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	199	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	5.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	5.0E+15	ohms·cm	IEC 60093
Electric Strength ³ (2.00 mm)	27	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
100 Hz	3.20		
1 MHz	3.10		
Dissipation Factor			IEC 60250
100 Hz	5.0E-3		
1 MHz	0.010		
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	280 to 300	°C	
Mold Temperature	60.0 to 120	°C	
NOTE			
1.	120x80x3 mm		

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|----|------------|
| 2. | 4 mm |
| 3. | Short time |

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