

XYRON™ AG213

Polyamide + PPE
Asahi Kasei Chemicals Corporation

Message:
Modified PPE
PA/PPE alloy
30% Filler reinforced Non-Flame retardant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183
Molding Shrinkage ¹ (3.00 mm)	0.30 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	150	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	7900	MPa	ISO 178
Flexural Stress (23°C)	230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ² (23°C)	13	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	226	°C	ISO 75-2/A
CLTE - Flow (-30 to 65°C)	3.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	4.7E+15	ohms·cm	IEC 60093
Electric Strength ³ (2.00 mm)	28	kV/mm	IEC 60243-1
Dielectric Constant			IEC 60250
100 Hz	3.50		
1 MHz	3.40		
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		

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

