

RAMLLOY PN300G2

Polyphenylene Ether + PS
Polyram Ram-On Industries

Message:
PPE/PS ALLOY 10% GLASS FIBER RENFORCED FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (280°C/10.0 kg)	13	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	0.30 to 0.50	%	ASTM D955
--	0.30 to 0.50	%	ISO 2577
Water Absorption			
Saturation	0.20	%	ASTM D570
Saturation, 23°C	0.20	%	ISO 62
Equilibrium, 23°C, 50% RH	0.060	%	ASTM D570, ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3800	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	50.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	5.0	%	ASTM D638, ISO 527-2
Flexural Modulus	3000	MPa	ASTM D790, ISO 178
Flexural Strength	80.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	70	J/m	ASTM D256
23°C	7.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	130	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	115	°C	ASTM D648, ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms · cm	IEC 60093
Electric Strength	18	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94

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

