

RAMLLOY A300G6NT

Polyamide 66 + PP

Polyram Ram-On Industries

Message:

PA66/Polypropylene Alloy 30% Glass Fiber Reinforced for Injection Moulding applications.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.10	%	ASTM D955
--	0.10	%	ISO 2577
Water Absorption			
Saturation	1.9	%	ASTM D570
Saturation, 23°C	1.9	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8600	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	170	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.5	%	ASTM D638, ISO 527-2
Flexural Modulus	7100	MPa	ASTM D790, ISO 178
Flexural Strength	240	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	130	J/m	ASTM D256
23°C	14	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	245	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	225	°C	ASTM D648, ISO 75-2/A
Melting Temperature	255	°C	ISO 11357-3, ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Electric Strength	35	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	4.00		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94

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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

