

RAMLLOY PA917G4

Polyamide 66 + PP
Polyram Ram-On Industries

Message:

20%GLASS FIBER REINFORCED PA66/PP ALLOY WITH REDUCED WATER ABSORPTION,DIMENSION STABILITY AND UV STABILIZED FOR INJECTION MOULDING APPLICATIONS.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Dimensional Stability		
	Good UV Resistance		
	Low to No Water Absorption		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.30 to 0.50	%	ASTM D955
--	0.30 to 0.50	%	ISO 294-4
Water Absorption			
Saturation	3.5	%	ASTM D570
Saturation, 23°C	3.5	%	ISO 62
Equilibrium, 23°C, 50% RH	1.5	%	ASTM D570, ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	120	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	3.0	%	ASTM D638, ISO 527-2
Flexural Modulus	5700	MPa	ASTM D790, ISO 178
Flexural Strength	195	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	100	J/m	ASTM D256
23°C	9.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Maximum Use Temperature - Short Peaks Operation	150	°C	
Maximum Continuous Use Temperature	80	°C	
Melting Temperature			

--	250	°C	ISO 11357-3
--	256	°C	ASTM D3417
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94

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