

ASTAMID™ MA3EG8

Polyamide 66
Marplex Australia Pty. Ltd.

Message:

ASTAMID™ MA3EG8 is a 40% glass reinforced, heat stabilised Polyamide 6,6 (PA 66 or Nylon 66).
Note: The letters "U", "W" or "UV" indicate UV stabilisation has been added [ie: ASTAMID™ MA3EG8U].

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.46	%	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.20 mm)	210	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	3.0	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	9000	MPa	ASTM D790
Flexural Strength ⁴ (6.40 mm)	280	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.40 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	243	°C	ASTM D648
CLTE - Flow	8.0E-4	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 85.0	°C	
Drying Time	2.0	hr	
Rear Temperature	270 to 290	°C	
Middle Temperature	280 to 295	°C	
Front Temperature	290 to 300	°C	
Processing (Melt) Temp	260 to 285	°C	
Mold Temperature	50.0 to 80.0	°C	
Injection Pressure	60.0 to 130	MPa	
Injection Rate	Fast		
Back Pressure	0.100 to 0.500	MPa	

Screw Speed	40 to 60	rpm
Clamp Tonnage	3.0 to 5.0	kN/cm ²
NOTE		
1.	5.0 mm/min	
2.	5.0 mm/min	
3.	2.8 mm/min	
4.	2.8 mm/min	

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