

ASTAMID™ MB3ZUV

Polyamide 6
Marplex Australia Pty. Ltd.

Message:

ASTAMID™ MB3ZUV is an Impact Modified, Heat and UV Stabilised Polyamide 6 (PA 6 or Nylon 6).

General Information			
Additive	Heat Stabilizer		
	Impact Modifier		
	UV Stabilizer		
Features	Heat Stabilized		
	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	10	g/10 min	ASTM D1238
Water Absorption (Equilibrium, 23°C, 50% RH)	2.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	1980	MPa	ASTM D638
Tensile Strength ² (3.20 mm)	55.0	MPa	ASTM D638
Tensile Elongation ³ (Break, 3.20 mm)	5.0	%	ASTM D638
Flexural Modulus ⁴ (3.20 mm)	1850	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	> 850	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	50.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	2.0	hr	
Rear Temperature	250 to 255	°C	
Middle Temperature	255 to 265	°C	
Front Temperature	265 to 270	°C	
Processing (Melt) Temp	255 to 265	°C	
Mold Temperature	50.0 to 80.0	°C	
Injection Pressure	60.0 to 120	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.	5.0 mm/min	
4.	1.3 mm/min	

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