

Wellamid® MRT1487 N

Polyamide 66
Wellman Engineering Resins

Message:

Wellamid® MRT1487 N is a Polyamide 66 (Nylon 66) material filled with 32% mineral. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Wellamid® MRT1487 N: Impact Modified.

General Information			
Filler / Reinforcement	Mineral,32% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	1.4 to 1.8	%	
Flow : 23°C	1.6 to 2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	65.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	15	%	ISO 527-2
Flexural Modulus (23°C)	3600	MPa	ISO 178
Flexural Stress (23°C)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	10	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	282 to 304	°C	
Middle Temperature	277 to 299	°C	
Front Temperature	271 to 293	°C	
Nozzle Temperature	282 to 293	°C	
Processing (Melt) Temp	288 to 310	°C	
Mold Temperature	71.1 to 93.3	°C	
Injection Pressure	34.5 to 138	MPa	
Back Pressure	0.345	MPa	

Screw Speed

30 to 120

rpm

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Recommended distributors for this material

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