

Wellamid® MR409 22H-N

Polyamide 66

Wellman Engineering Resins

Message:

Wellamid® MR409 22H-N is a Polyamide 66 (Nylon 66) material filled with 40% mineral. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Wellamid® MR409 22H-N: Flame Rated.

Typical application of Wellamid® MR409 22H-N: Automotive

General Information			
UL YellowCard	E44600-235480		
Filler / Reinforcement	Mineral,40% Filler by Weight		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	1.1 to 1.5	%	
Flow : 23°C	1.2 to 1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	85.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	6.0	%	ISO 527-2
Flexural Modulus (23°C)	5800	MPa	ISO 178
Flexural Stress (23°C)	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	HB		UL 94

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Recommended distributors for this material

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