

Wellamid® FRGF25-66-N

Polyamide 66
Wellman Engineering Resins

Message:

Wellamid® FRGF25-66-N is a Polyamide 66 (Nylon 66) material filled with 25% glass fiber. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of Wellamid® FRGF25-66-N are:
Flame Rated
Flame Retardant
Typical application of Wellamid® FRGF25-66-N: Automotive

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	1.0 to 1.4	%	
Flow : 23°C	0.30 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	110	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	6900	MPa	ISO 178
Flexural Stress (23°C)	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.0	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	240	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Regrind	20	%	
Rear Temperature	271 to 282	°C	
Middle Temperature	266 to 277	°C	
Front Temperature	260 to 271	°C	

Nozzle Temperature	271 to 282	°C
Processing (Melt) Temp	266 to 277	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

