

Wellamid® FR1841-BK1

Polyamide 66
Wellman Engineering Resins

Message:

Wellamid® FR1841-BK1 is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding. Important attributes of Wellamid® FR1841-BK1 are:
Flame Rated
Flame Retardant

General Information			
UL YellowCard	E44600-457068		
Features	Flame Retardant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	1.6 to 2.0	%	
Flow : 23°C	1.5 to 1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	10	%	ISO 527-2
Flexural Modulus (23°C)	3000	MPa	ISO 178
Flexural Stress (23°C)	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.5	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Melting Temperature	260	°C	ISO 3146
Flammability	Nominal Value		Test Method
Flame Rating (0.790 mm)	V-0		UL 94

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Recommended distributors for this material

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