

Wellamid® 42LH-XE-NBK2

Polyamide 6
Wellman Engineering Resins

Message:

Wellamid® 42LH-XE-NBK2 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific, Europe, Latin America, or North America.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.8 to 2.2	%	
Flow	1.7 to 2.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	80.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C, Injection Molded)	12	%	ISO 527-2
Flexural Modulus (23°C, Injection Molded)	2670	MPa	ISO 178
Flexural Stress (23°C, Injection Molded)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	6.0	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°C	ISO 3146

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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


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