Wellamid® XT1482-BK

Polyamide 66

Wellman Engineering Resins

Message:

Wellamid® XT1482-BK 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® XT1482-BK are:
Impact Modified
Impact Resistant

General Information			
UL YellowCard	E44600-235506		
Additive	Impact Modifier		
Features	High Impact Resistance Impact Modified		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.09	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 23°C	1.8 to 2.2	%	
Flow : 23°C	1.9 to 2.3	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, 23°C)	45.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	95	%	ISO 527-2
Flexural Modulus (23°C)	1600	MPa	ISO 178
Flexural Stress (23°C)	60.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (23°C)	70	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)	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	277 to 293	°C	
Middle Temperature	271 to 288	°C	
Front Temperature	266 to 282	°C	

Nozzle Temperature	266 to 293	°C
Processing (Melt) Temp	271 to 304	°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

Recommended distributors for this material

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