Badamid® A70 TM-Z1

Polyamide 66

Bada AG

Message:

Badamid®A70 TM-Z1 is a polyamide 66 (nylon 66) material. This product is available in Europe. Badamid®The main characteristics of A70 TM-Z1 are: flame retardant/rated flame.

General Information				
Forms	Particle			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.09	--	g/cm³	ISO 1183
Water Absorption				ISO 62
Saturated, 23°C	7.2	--	%	ISO 62
Equilibrium, 23°C, 50% RH	2.4	--	%	ISO 62
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus (23°C)	2400	1300	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	65.0	48.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	5.1	17	%	ISO 527-2/50
Nominal Tensile Strain at Break (23°C)	28	50	%	ISO 527-2/50
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	11	9.0	kJ/m²	ISO 179/1eA
23°C	15	25	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	No Break		ISO 179/1eU
23°C	No Break	No Break		ISO 179/1eU
Notched Izod Impact				ISO 180/1A
-30°C	10	--	kJ/m²	ISO 180/1A
23°C	17	--	kJ/m²	ISO 180/1A
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature [1]				
0.45 MPa, not annealed	190	--	°C	ISO 75-2/B
1.8 MPa, not annealed	70.0	--	°C	ISO 75-2/A
Melting Temperature (DSC)	262	--	°C	ISO 3146
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+14	1.0E+12	ohms·cm	IEC 60093

Dielectric Strength	85	50	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.10	3.60		IEC 60250
Dissipation Factor (1 MHz)	0.016	0.070		IEC 60250
Comparative Tracking Index	600	--	V	IEC 60112

Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	HB	--		UL 94
1.60 mm	HB	--		UL 94

Additional Information
干燥 Short-Term Heat Resistance, IEC 216, 20000 hrs: 180°CLong-Term Heat Resistance, IEC 216, 50% decrease of yield stress: 75°C

Injection	Dry	Unit
Processing (Melt) Temp	143 - 149	°C
Mold Temperature	60.0 - 80.0	°C

NOTE	
1.	110x10x4mm

Recommended distributors for this material

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