

Badamid® C70

Polyamide 66/6 Copolymer

Bada AG

Message:

Easy flowing standard injection moulding grade for thin walled products

General Information				
Features	Good Flow			
Uses	Thin-walled Parts			
Processing Method	Injection Molding			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	10	--	%	
Equilibrium, 23°C, 50% RH	3.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	2200	1000	MPa	ISO 527-2/1
Tensile Stress ¹ (Yield, 23°C)	80.0	45.0	MPa	ISO 527-2/50
Tensile Strain ² (Yield, 23°C)	5.0	20	%	ISO 527-2/50
Nominal Tensile Strain at Break ³				
--	--	> 50	%	ISO 527-2
23°C	> 50	--	%	ISO 527-2/50
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ⁴				
0.45 MPa, Unannealed	140	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	57.0	--	°C	ISO 75-2/A
Melting Temperature (DSC) ⁵	243	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity ⁶	1.0E+15	--	ohms·cm	IEC 60093
Relative Permittivity ⁷	3.70	--		IEC 60250
Dissipation Factor ⁸ (1 MHz)	0.030	--		IEC 60250
Comparative Tracking Index	600	600	V	IEC 60112
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 4.0		hr	

Processing (Melt) Temp	270 to 290	°C
Mold Temperature	70.0 to 90.0	°C

NOTE

1.	Test Specimen accordng to ISO 3167, Type A
2.	Test Specimen accordng to ISO 3167, Type A
3.	Test Specimen accordng to ISO 3167, Type A
4.	110x10x4 mm
5.	10 K/min, Compound for moulding
6.	80x80x1 mm
7.	80x80x1 mm
8.	80x80x1 mm

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