

Bergamid™ A700 blue VN4817CF

Polyamide 66

PolyOne Corporation

Message:

Bergamid™ A700 blue VN4817CF is a Polyamide 66 (Nylon 66) product. It is available in Africa & Middle East, Asia Pacific, or Europe.

Characteristics include:

Flame Rated

RoHS Compliant

General Information			
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.13	g/cm ³	DIN 53479
Water Absorption			ISO 62
Saturation, 23°C	8.5	%	
Equilibrium, 23°C, 50% RH	2.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ² (23°C)	3200	MPa	ISO 527-2/1
Tensile Stress ³ (Yield, 23°C)	80.0	MPa	ISO 527-2/50
Tensile Strain ⁴ (Yield, 23°C)	4.5	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	4.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Maximum Use Temperature			IEC 60216
-- ⁵	90	°C	
Short Time	200	°C	
Melting Temperature (DSC)	261	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohms · cm	IEC 60093
Electric Strength	80	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	5.00		IEC 60250

Dissipation Factor (1 MHz)	0.20		IEC 60250
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.700 mm, ALL)	V-2		Internal Method
Glow Wire Flammability Index (0.800 to 3.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (0.800 to 3.00 mm)	675	°C	IEC 60695-2-13
NOTE			
1.	±0.02 g/cm ³		
2.	dry as moulded		
3.	dry as moulded		
4.	dry as moulded		
5.	Continuous (GTP 50% Tensile)		

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