

Bergamid™ B80 red VN6981CF

Polyamide 6
PolyOne Corporation

Message:

Bergamid™ B80 red VN6981CF is a Polyamide 6 (Nylon 6) product. It is available in Africa & Middle East, Asia Pacific, or Europe.
Characteristics include:
RoHS Compliant
Good UV Resistance
Heat Resistant
High Viscosity

General Information			
Features	Good Heat Aging Resistance		
	Good UV Resistance		
	High Viscosity		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.13	g/cm³	DIN 53479
K-Value ²	> 80.0		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	2700	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C, 4.00 mm, Injection Molded)	80.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C, 4.00 mm, Injection Molded)	3.5	%	ISO 527-2/50
Flexural Modulus (23°C)	2200	MPa	ISO 178
Flexural Stress (23°C)	76.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.4	kJ/m²	
23°C	6.0	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	45	kJ/m²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	170	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Maximum Use Temperature			IEC 60216
-- ³	75	°C	

Short Time	175	°C	
Melting Temperature (DSC)	223	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
NOTE			
1.	±0.03 g/cm ³		
2.	96% H ₂ SO ₄		
3.	Continuous (GTP 50% Tensile)		

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