

Bergamid™ A70 G20 UF colored

Polyamide 66

PolyOne Corporation

Message:

Bergamid™ A70 G20 UF colored is a Polyamide 66 (Nylon 66) product filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

RoHS Compliant

Flame Retardant

Halogen Free

General Information				
Filler / Reinforcement		Glass Fiber,20% Filler by Weight		
Features		Flame Retardant		
		Halogen Free		
RoHS Compliance		RoHS Compliant		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density ¹	1.36	1.36	g/cm ³	DIN 53479
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	6800 to 7500	5400	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	106 to 110	65.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	> 2.0	> 3.0	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.3 to 5.0	5.0 to 8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	28 to 35	32 to 40	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	238	--	°C	ISO 75-2/A
Melting Temperature (DSC)	261	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index	500 to 600	--	V	ASTM D3638
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (0.800 to 3.00 mm)	V-1	--		UL 94
Glow Wire Flammability Index (0.800 to 3.00 mm)	> 750	--	°C	IEC 60695-2-12
NOTE				

1. $\pm 0.03 \text{ g/cm}^3$

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