



Bergamid™ A70 G20 UF colored Polyamide 66

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Flame Retardant • Halogen Free
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

Technical Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density ²	1.36	1.36	g/cm ³	DIN 53479
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (73°F (23°C))	986000 to 1.09E+6 (6800 to 7500)	783000 (5400)	psi (MPa)	ISO 527-2/1
Tensile Stress (Break, 73°F (23°C))	15400 to 16000 (106 to 110)	9430 (65.0)	psi (MPa)	ISO 527-2/5
Tensile Strain (Break, 73°F (23°C))	> 2.0	> 3.0	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F (23°C))	1.6 to 2.4 (3.3 to 5.0)	2.4 to 3.8 (5.0 to 8.0)	ft·lb/in ² (kJ/m ²)	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	13 to 17 (28 to 35)	15 to 19 (32 to 40)	ft·lb/in ² (kJ/m ²)	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	460 (238)	--	°F (°C)	ISO 75-2/A
Melting Temperature (DSC)	502 (261)	--	°F (°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 0.03 to 0.12 in (0.8 to 3.0 mm)	V-1	--		UL 94
Glow Wire Flammability Index 0.03 to 0.12 in (0.8 to 3.0 mm)	1760 (960)	--	°F (°C)	IEC 60695-2-12

Notes

¹ Typical values are not to be construed as specifications.

² ±0.03 g/cm³