Bergamid™ A700 G25 HW UF

PolyOne Corporation - Polyamide 66

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General Information

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East	• Asia Pacific	• Europe
Filler / Reinforcement	• Glass Fiber Reinforcement, 25% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Flame Retardant • Halogen Free	• Heat Stabilized • Low (to None) Phosphorus Content	
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density [2]	1.40	g/cm³	DIN 53479
Ash Content	25	%	ISO 3451
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (73°F)	1.39E+6	psi	ISO 527-2/1
Tensile Stress (Break, 73°F)	13800	psi	ISO 527-2/5
Tensile Strain (Break, 73°F)	2.2	%	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	7.0	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	50	ft·lb/in²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (66 psi, Unannealed)	482	°F	ISO 75-2/B
Melting Temperature (DSC)	502	°F	ISO 3146
Maximum Use Temperature			IEC 60216
Continuous (GTP 50% Tensile)	266	°F	
Short Time	428	°F	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohm·cm	IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating - UL (0.0315 in, ALL)	V-0		Internal Method
Glow Wire Ignition Temperature [3] (0.118 in)	1760	°F	IEC 60695-2-13

Notes

[1] Typical properties: these are not to be construed as specifications.

[2] ±0.03 g/cm³

[3] 0.8 mm wire