Bergamid™ A70 G50 HW Ind Natural Rec Q1

Polyamide 66

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Glass Fiber, 50% Filler by Weight
Additive	• Heat Stabilizer
Recycled Content	• Yes
Features	• General Purpose
Forms	• Granules

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.57 g/cm³	1.57 g/cm³	ISO 1183
Viscosity Number	150 cm³/g	150 cm³/g	ISO 307
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus (73°F (23°C))	2.47E+6 psi	17000 MPa	ISO 527-1/1
Tensile Stress (Break, 73°F (23°C))	31900 psi	220 MPa	ISO 527-2
Tensile Strain (Break, 73°F (23°C))	2.0 %	2.0 %	ISO 527-2
Impact	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°F (23°C))	4.8 ft·lb/in²	10 kJ/m²	ISO 179
Charpy Unnotched Impact Strength			ISO 179
73°F (23°C)	33 ft·lb/in²	70 kJ/m²	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/B
66 psi (0.45 MPa), Unannealed	482 °F	250 °C	
Deflection Temperature Under Load			ISO 75-2/A
264 psi (1.8 MPa), Unannealed	482 °F	250 °C	
Melting Temperature (DSC)	502 °F	261 °C	ISO 3146
Electrical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Surface Resistivity	1.0E+13 ohms	1.0E+13 ohms	IEC 60093
Volume Resistivity	1.0E+15 ohms·cm	1.0E+15 ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	500 V	500 V	IEC 60112
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating			UL 94
0.031 in (0.8 mm)	HB	HB	
0.06 in (1.6 mm)	HB	HB	
Additional Information			
Recycled content 40-50% PIR			

Notes

[1] Typical values are not to be construed as specifications.

CONTACT INFORMATION

North America
Avon Lake, United States
33587 Walker Road
Avon Lake, OH, United States , 44012
+1 440 930 1000
+1 844 4AVIENT

South America
Sao Paulo, Brazil
Av. Francisco Nakasato, 1700
13295-000 Itupeva
Sao Paulo, Brazil
+55 11 4593 9200

Asia
Shanghai, China
2F, Block C
200 Jinsu Road
Pudong, 201206
Shanghai, China
+86 (0) 21 6028 4888

Europe
Pommerloch, Luxembourg
19 Route de Bastogne
Pommerloch, Luxembourg , L-9638
+352 269 050 35

avient.com