Nymax[™] GF 1200 A 55 HS Black 13

Polyamide 66 Avient Corporation



Technical Data

Product Description

The Nymax® GF 1200 Series of glass fiber-reinforced nylon 6/6 compounds have been specifically formulated for applications requiring high stiffness, tensile properties, heat resistance, and durability in harsh environments. These materials are available in a broad range of reinforcement levels depending upon stiffness characteristics desired and have been formulated to offer ease of processing in most standard thermoplastic processing equipment

General · Commercial: Active Material Status Literature¹ Technical Datasheet Avient Corporation Search for UL Yellow Card Nymax[™] · Africa & Middle East Europe · North America Availability · Asia Pacific · Latin America • Filler, 55% Filler by Weight · Glass Fiber Filler / Reinforcement · Heat Stabilizer Additive Features · Heat Stabilized Black Appearance Forms · Pellets

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.64 g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30 %	ASTM D955
Water Absorption (24 hr, 3.18 mm)	0.60 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Strength		
Break ³	221 MPa	ASTM D638
4	209 MPa	ISO 527
Tensile Elongation ³ (Break)	3.0 %	ASTM D638
Flexural Modulus		
	15200 MPa	ASTM D790
5	16200 MPa	ISO 178
Flexural Strength	310 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact		
23°C, 3.18 mm, Injection Molded	91 J/m	ASTM D256A
	11 kJ/m²	ISO 180
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
0.45 MPa, Unannealed, 3.18 mm	257 °C	ASTM D648
1.8 MPa, Unannealed	248 °C	ISO 75-2
1.8 MPa, Unannealed, 3.18 mm	248 °C	ASTM D648
Additional Information		

Molded Test Bars: Dry as Molded



1 of 2

UL LLC ©2024. All rights reserved. UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

Nymax[™] GF 1200 A 55 HS Black 13 Polyamide 66

Avient Corporation



Injection	Nominal Value Unit
Drying Temperature	82 °C
Drying Time	4.0 hr
Suggested Max Moisture	0.060 to 0.12 %
Rear Temperature	274 to 288 °C
Middle Temperature	274 to 288 °C
Front Temperature	274 to 288 °C
Nozzle Temperature	288 to 299 °C
Mold Temperature	66 to 110 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Type I, 5.1 mm/min

⁴ 5.0 mm/min

⁵ 25 mm/min



UL LLC ©2024. All rights reserved. UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content. Form No. TDS-47409-en Document Created: Tuesday, January 30, 2024 Added to Prospector: November 2000 Last Updated: 2/29/2016