

Gravi-Tech™ GRV AS-020-MN white 1

Acrylonitrile Butadiene Styrene

Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Filler / Reinforcement	• Mineral
Features	• High Specific Gravity
Appearance	• White
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.95 g/cm ³	1.95 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.0 to 12 g/10 min	8.0 to 12 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	3.5 to 7.0 cm ³ /10min	3.5 to 7.0 cm ³ /10min	ISO 1133
Molding Shrinkage - Flow ²	3.0E-3 to 6.0E-3 in/in	0.30 to 0.60 %	Internal Method
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	798000 psi	5500 MPa	ISO 527-1/1
Tensile Stress (Break, 73°F (23°C))	5080 psi	35.0 MPa	ISO 527-2/50
Tensile Strain (Break, 73°F (23°C))	0.60 to 1.0 %	0.60 to 1.0 %	ISO 527-2/50
Flexural Modulus ³ (73°F (23°C))	747000 psi	5150 MPa	ISO 178
Flexural Stress ³ (73°F (23°C))	7250 psi	50.0 MPa	ISO 178
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	0.48 ft·lb/in ²	1.0 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	2.4 ft·lb/in ²	5.0 kJ/m ²	ISO 179/1eU
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.06 in (1.6 mm))	HB	HB	UL 94

Notes

¹ Typical values are not to be construed as specifications.

² measured on Tensile bar

³ 0.39 in/min (10 mm/min)

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



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