

**Technical Information****AFFINITY™ GA 1000R**
Functionalized Polyolefin Elastomer**Overview**

Complies with:

- EU, No 10/2011
- U.S. FDA 21 CFR 175.105
- Consult the regulations for complete details.

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gardner Color	< 5.00	< 5.00	ASTM D3417
MAH Graft Level	High	High	Dow Method
Volatile Matter ¹	< 0.15 %	< 0.15 %	ASTM D3030
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength	271 psi	1.87 MPa	ASTM D638
Tensile Elongation (Break)	170 %	170 %	ASTM D638
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature	-72.4 °F	-58.0 °C	Dow Method
Melting Temperature (DSC)	154 °F	68.0 °C	Dow Method
Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Brookfield Viscosity (350°F (177°C))	13.0 Pa·s	13.0 Pa·s	ASTM D1084

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ Modified for polyolefins. Change the temperature used to 100°C +/-3 and the amount of sample to 20 grams.



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