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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