



AFFINITY™ GA 1875

Polyolefin Plastomer

Overview

Complies with:

- EU, No 10/2011
- U.S. FDA 21 CFR 175.105(c)(5)
- Consult the regulations for complete details.

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------------------|-------------------------|-------------------------|-------------------------|
| Density | 0.870 g/cm ³ | 0.870 g/cm ³ | ASTM D792 |
| Gardner Color | < 1.00 | < 1.00 | ASTM D3417 |
| Volatile Matter | < 0.15 % | < 0.15 % | ASTM D3030 ¹ |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength | 176 psi | 1.21 MPa | ASTM D638 |
| Tensile Elongation (Break) | 60 % | 60 % | ASTM D638 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Glass Transition Temperature (DSC) | -70.6 °F | -57.0 °C | Dow Method |
| Melting Temperature (DSC) | 158 °F | 70.0 °C | Dow Method |
| Fill Analysis | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Brookfield Viscosity (350°F (177°C)) | 6.70 Pa·s | 6.70 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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