



Technical Data Sheet

AFFINITY™ RE 1875 REN Polyolefin Elastomer

Overview

Complies with:

- EU, No 10/2011
- U.S. FDA 21 CFR 175.105(c)(5)
- ISCC PLUS certification for bio-circular-based plastics.

Sustainability Attribute:



Consult the regulations for complete details.

Typical Properties

Physical	Nominal Value	Unit (English)	Nominal Value	Unit (SI)	Test Method ¹
Density	0.870	g/cm ³	0.870	g/cm ³	ASTM D792
Gardner Color	< 1.00		< 1.00		ASTM D3417
Volatile Matter ²	< 0.15	%	< 0.15	%	ASTM D3030
Mechanical					
Tensile Strength	176	psi	1.21	MPa	ASTM D638
Tensile Elongation (Break)	60	%	60	%	ASTM D638
Thermal					
Glass Transition Temperature	-70.6	°F	-57.0	°C	Dow Method
Melt Temperature	158	°F	70.0	°C	Dow Method
Fill Analysis					
Brookfield Viscosity (350°F (177°C))	6.70	Pa·s	6.70	Pa·s	ASTM D1084

1. ASTM: American Society for Testing and Materials

2. Modified for polyolefins. Change the temperature used to 100°C ±3 and the amount of sample to 20 grams.

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

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