



DOWLEX™ 2062GC Polyethylene Resin

Overview

Dowlex™ 2062GC Polyethylene Resin is an ethylene 1-octene copolymer, suitable for cast film applications as well as excellent carrier resin for highly filled compounds. It offers superior stiffness in combination with excellent puncture resistance and optical properties, making it to a resin perfectly designed to meet converters down gauging needs.

Main Characteristics:

- Optimum extruder output and process ability, pure or in blends
- Excellent balance of mechanical properties

Complies with:

- EU, No 10/2011
- U.S. FDA 21 CFR 177.1520(c)3.2a

Consult the regulations for complete details.

Additive

- Antiblock: No
- Slip: No
- Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.939 g/cm ³	0.939 g/cm ³	ASTM D792
Base Density ¹	0.934 g/cm ³	0.934 g/cm ³	Dow Method
Melt Index (190°C/2.16 kg)	3.8 g/10 min	3.8 g/10 min	ASTM D1238
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	0.79 mil	20 µm	
Film Puncture Resistance (0.79 mil (20 µm))	76.1 ft·lb/in ³	6.30 J/cm ³	ASTM D5748
Tensile Strength			ASTM D882
MD : Break, 0.79 mil (20 µm)	5370 psi	37.0 MPa	
TD : Break, 0.79 mil (20 µm)	3480 psi	24.0 MPa	
MD : 0.79 mil (20 µm) ²	1420 psi	9.80 MPa	
TD : 0.79 mil (20 µm) ²	1600 psi	11.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 0.79 mil (20 µm)	490 %	490 %	
TD : Break, 0.79 mil (20 µm)	720 %	720 %	
Elmendorf Tear Strength ³			ASTM D1922
MD : 0.79 mil (20 µm)	50 g	50 g	
TD : 0.79 mil (20 µm)	210 g	210 g	
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 0.787 mil (20.0 µm))	84	84	ASTM D2457
Haze (0.787 mil (20.0 µm))	2.7 %	2.7 %	ASTM D1003

Extrusion Notes

Cast film extrusion conditions:

- Melt Temperature: 220°C
- Die gap: 0.7 mm
- Film thickness: 20 microns

Notes

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

¹ Base density is estimated using the assumption that every 1000 ppm of antiblock in the finished product raises the density of the polymer by 0.0006 g/cm³. Base density is the estimated density of the polymer if it did not contain any antiblock.

² @ 5% Elongation

³ Method B

