

# DOWLEX™ 2062GC

Polyethylene Resin

The Dow Chemical Company

## Message:

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.

General Information			
Agency Ratings		FDA 21 CFR 177.1520(c) 3.2a	
		Europe No 10/2011	
Forms		Particle	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.939	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.8	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	
Film Puncture Resistance (20 µm)	6.30	J/cm <sup>3</sup>	ASTM D5748
Tensile Strength			ASTM D882
MD: Break, 20 µm	37.0	MPa	ASTM D882
TD: Break, 20 µm	24.0	MPa	ASTM D882
MD : 20 µm <sup>1</sup>	9.80	MPa	ASTM D882
TD : 20 µm <sup>2</sup>	11.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 20 µm	490	%	ASTM D882
TD: Break, 20 µm	720	%	ASTM D882
Elmendorf Tear Strength <sup>3</sup>			ASTM D1922
MD : 20 µm	50	g	ASTM D1922
TD : 20 µm	210	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 20.0 µm)	84		ASTM D2457
Haze (20.0 µm)	2.7	%	ASTM D1003
Extrusion instructions			

Cast film extrusion conditions:

Melt Temperature: 220°C

Die gap: 0.7 mm

Film thickness: 20 microns

#### NOTE

- |    |                 |
|----|-----------------|
| 1. | @ 5% Elongation |
| 2. | @ 5% Elongation |
| 3. | Method B        |

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### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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