

DOWLEX™ 20665

Polyethylene Resin

Overview

DOWLEX 20665 is a polyethylene resin for high quality blown film extrusion

Main Characteristics:

- Industrial and consumer blown film applications

Complies with:

- EU, No 10/2011
- U.S. FDA FCN 741

Consult the regulations for complete details.

Additive

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.919 g/cm ³	0.919 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	0.90 g/10 min	0.90 g/10 min	ASTM D1238
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	1 mil	25 µm	
Film Puncture Energy (0.98 mil (25 µm))	31.0 in·lb	3.50 J	Dow Method
Film Puncture Force (0.98 mil (25 µm))	10.8 lbf	48.0 N	Dow Method
Tensile Strength			ASTM D882
MD : Break, 0.98 mil (25 µm)	5080 psi	35.0 MPa	
TD : Break, 0.98 mil (25 µm)	4640 psi	32.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 0.98 mil (25 µm)	430 %	430 %	
TD : Break, 0.98 mil (25 µm)	610 %	610 %	
Elmendorf Tear Strength ¹			ASTM D1922
MD : 0.98 mil (25 µm)	250 g	250 g	
TD : 0.98 mil (25 µm)	580 g	580 g	

Notes

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

¹ Method B

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