

DOWLEX™ 2006G

Polyethylene Resin

The Dow Chemical Company

Message:

Dowlex™ 2006G Polyethylene Resin is an ethylene 1-octene copolymer, suitable for cast film applications and also perfectly designed to give excellent filler acceptance and low torque during compounding.

Dowlex™ 2006G offers superior stiffness and excellent temperature resistance making it the perfect partner for down gauging. Films produced using Dowlex™ 2006G offer low shrinkage which is ideal when registered printing is used.

Main Characteristics:

Optimum extruder output and process ability, pure or in blends

Superior stiffness and temperature resistance

Complies with:

Europe Commission Regulation (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 10/1/2011 12:00:00 AM	
Forms		Particle	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.961	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	
Tensile Strength			ASTM D882
MD: Break, 20 µm	38.0	MPa	ASTM D882
TD: Break, 20 µm	19.0	MPa	ASTM D882
MD : 20 µm ¹	21.0	MPa	ASTM D882
TD : 20 µm ²	15.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 20 µm	700	%	ASTM D882
TD: Break, 20 µm	15	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 20 µm	29	g	ASTM D1922
TD : 20 µm	390	g	ASTM D1922
Extrusion instructions			
Cast film extrusion conditions: Melt Temperature: 220°C Die gap: 0.7 mm Film thickness: 20 microns			
NOTE			
1.		@ 5% Elongation	

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