Technical Data Sheet

DOWLEX™ 2006G Polyethylene Resin

Description

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.

Properties[1]

Physical	Nominal Value	Unit	Test Method[2]
Density	0.963	g/cm³	ASTM D792
Melt Index (190°C/2.16 kg)	8.0	g/10 min	ASTM D1138
Films			
Film Thickness Tested	20	µm	
Tensile Strength			ASTM D882
MD: Break, 0.79 mil (20 µm)	38.0	MPa	
TD: Break, 0.79 mil (20 µm)	19.0	MPa	
MD: Yield, 0.79 mil (20 µm)[3]	21.0	MPa	
TD: Yield, 0.79 mil (20 µm)[3]	15.0	MPa	
Tensile Elongation			ASTM D882
MD: Break, 0.79 mil (20 µm)	700	%	
TD: Break, 0.79 mil (20 µm)	15	%	
Elmendorf Tear Strength			ASTM D1922
MD: 0.79 mil (20 µm)	29	g	
TD: 0.79 mil (20 µm)	390	g	

1. Typical properties: these are not to be construed as specifications.
2. ASTM: American Society for Testing and Materials.
3. @ 5% elongation

Properties (Cont.)

Extrusion Notes
Cast film extrusion conditions: • Melt Temperature: 220°C • Die gap: 0.7 mm • Film thickness: 20 microns