DOWLEX™ 2636G

Polyethylene Resin

The Dow Chemical Company

Message:

DOWLEX™ 2636G Polyethylene Resin is a cast film extrusion grade suitable for high stiffness film applications.
Linear low density Polyethylene/Hexene copolymer.
Improved thermal stability for high stiffness film applications.
Complies with:
U.S. FDA 21 CFR 177.1520(c) 3.2a
EU, No 10/2011
Consult the regulations for complete details.

General Information	
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a Europe No 10/2011
Forms	Particle
Processing Method	Blow film cast film

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.933	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	40	µm	
Film Puncture Force	36.0	N	Internal method
Tensile Strength			ASTM D882
MD: Fracture	41.0	MPa	ASTM D882
TD: Fracture	37.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	600	%	ASTM D882
TD: Fracture	840	%	ASTM D882
Dart Drop Impact	65	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	98	g	ASTM D1922
TD	430	g	ASTM D1922
Tensile Energy			ASTM D882
MD	5.6	J	ASTM D882
TD	7.5	J	ASTM D882
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°)	90		ASTM D2457

Haze	3.6	%	ASTM D1003

Extrusion instructions

Fabrication Conditions For Cast Film:
Monolayer cast film produced on 5 layer (A/B/B/B/A) cast line.
Screw Size A: 51mm; 30:1 L/D
Screw Size B: 63.5mm; 30:1 L/D
Die Gap: 0.6 mm
Chill Roll Temperature: 21°C
Melt Temperature: 274°C
Line Speed: 106m/min
Output: 150Kg/hr

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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