DOW™ LDPE 535E

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW LDPE 535E is a medium density LDPE with a melt index of 0.6. It is suitable for the processing of shrink films and has a good balance between shrinkage properties (heat shrinkage and cold shrinkage), optical properties such as high gloss and low haze, and mechanical properties.
Main features:
Low density polyethylene resin
Extrusion of blown film
heat shrinkable film
Comply with the following regulations:
us food and drug administration regulation 21 CFR 177.1520(c) 2.2
EU, No 10/2011
please consult the regulation for complete details.

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2 Europe No 10/2011		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.928	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction	0.30 - 0.45		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	50	µm	
secant modulus			ASTM D882
2% secant, MD: 50 µm, blown film	211	MPa	ASTM D882
2% secant, TD: 50 µm, blown film	219	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 50 µm, blown film	12.0	MPa	ASTM D882
TD: Yield, 50 µm, blown film	13.0	MPa	ASTM D882
MD: Broken, 50 µm, blown film	22.0	MPa	ASTM D882
TD: Broken, 50 µm, blown film	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 50 µm, blown film	370	%	ASTM D882
TD: Broken, 50 µm, blown film	530	%	ASTM D882
Dart Drop Impact (50 µm, Blown Film)	120	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD: 50 µm, blown film	230	g	ASTM D1922

TD: 50 µm, blown film	230	g	ASTM D1922
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	104	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 50.0 µm)	62		ASTM D2457
Haze (50.0 µm)	8.3	%	ASTM D1003
Extrusion instructions			

吹塑薄膜的制造条件:
放大比:1 比 2.5

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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