DOW™ LLDPE 1613.11

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

Dow LLDPE 1613.11 is a Linear Low Density Polyethylene Resin, 1-hexene copolymer, produced in the Solution process. This resin is designed to be used in blown extrusion to produce films for industrial applications and consumer packaging. It contains slip and antiblock additives.
Complies with:
U.S. FDA, 21 CFR 177.1520(c)3.2a
Europe Commission Regulation (EU) No 10/2011 (See NOTES)
Consult the regulations for complete details.

General Information			
Additive	Antiblock (2500 ppm) Slip (1000 ppm)		
Agency Ratings	EU No 10/2011 FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.923	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	51	µm	
Film Puncture Resistance	7.66	J/cm³	Internal Method
Secant Modulus			ASTM D882
2% Secant, MD : 51 µm	189	MPa	
2% Secant, TD : 51 µm	224	MPa	
Tensile Strength			ASTM D882
MD : Yield,51 µm	11.2	MPa	
TD : Yield,51 µm	11.9	MPa	
MD : Break, 51 µm	33.5	MPa	
TD : Break, 51 µm	31.7	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	900	%	
TD : Break, 51 µm	890	%	
Dart Drop Impact (51 µm)	270	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	750	g	
TD : 51 µm	1100	g	
Optical	**Nominal Value**	**Unit**	**Test Method**

Gloss (45°, 50.8 µm)	42		ASTM D2457
Haze (50.8 µm)	22	%	ASTM D1003

Recommended distributors for this material

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