CERTENE™ LDF-820A

Low Density Polyethylene

Muehlstein

Message:

LDF-820A is a certified prime resin specially designed for production of laminates and coating Blown films. LDF-820A features easy processability and very good color stability. Films exhibit good mechanical properties, resistance to pinholling and excellent heat seal performance. Applications include lamination film, extrusion coating, expandable foam and as carrier resin for color com pounding. Maximum recommended drawdown is 0.5 mils. LDF-820A contains no slip and no antiblock.

General Information	
Features	Low density Workability, good Good heat sealability Good color stability
Uses	Films Laminate Composite Foam Coating application
Forms	Particle
Processing Method	Blow film Composite

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ASTM D1505
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	25	µm	
secant modulus			ASTM D882
1% secant, MD: 25 µm	228	MPa	ASTM D882
1% secant, TD: 25 µm	275	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm	11.0	MPa	ASTM D882
TD: Yield, 25 µm	11.0	MPa	ASTM D882
MD: Break, 25 µm	18.0	MPa	ASTM D882
TD: Break, 25 µm	18.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	330	%	ASTM D882

TD: Break, 25 µm	600	%	ASTM D882
Dart Drop Impact (25 µm)	50	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	350	g	ASTM D1922
TD : 25 µm	120	g	ASTM D1922

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm)	75		ASTM D2457
Haze (25.4 µm)	5.5	%	ASTM D1003

Additional Information
Film Specimen: 1.0 mils (25 µm) film, melt temperature 300-340°F (150-170°C), blow-up-ratio 2.25 :1.

Extrusion	Nominal Value	Unit
Melt Temperature	150 - 170	°C

Recommended distributors for this material

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