

CERTENE™ LDF-0822A

Low Density Polyethylene
Muehlstein

Message:

LDF-0822A is a certified prime resin specially designed for production of shrink wrapping Blown films for case bundling applications requiring excellent shrink performance, very high toughness, good puncture and burn-through resistance. LDF-0822A is also recommended for impact liner films. It features easy processability with excellent film optical and mechanical properties. Minimum recommended film thickness is 1.5 mils. LDF-0822A contains no slip and no antiblock.

General Information			
Features	Ultra high toughness		
	Low density		
	Optical		
	Perforation resistance		
	Workability, good		
	High shrinkage		
Uses	Films		
	Lining		
	Shrinkable film		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
secant modulus			ASTM D882
1% secant, MD: 38 µm	186	MPa	ASTM D882
1% secant, TD: 38 µm	235	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 38 µm	12.0	MPa	ASTM D882
TD: Yield, 38 µm	12.0	MPa	ASTM D882
MD: Fracture, 38 µm	31.0	MPa	ASTM D882
TD: Fracture, 38 µm	23.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	220	%	ASTM D882
TD: Fracture, 38 µm	550	%	ASTM D882
Dart Drop Impact (38 µm)	95	g	ASTM D1709A

Elmendorf Tear Strength			ASTM D1922
MD : 38 μm	720	g	ASTM D1922
TD : 38 μm	140	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.1 μm)	60		ASTM D2457
Haze (38.1 μm)	6.8	%	ASTM D1003
Additional Information			
This Specimen was compression molded and was tested according to ASTM D1928 Procedure C.			
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 210	°C	

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