

CERTENE™ LDF-221C

Low Density Polyethylene
Muehlstein

Message:

LDF-221C is a certified prime resin specially designed to meet the requirements of most 1 to 3 mils thickness Blown film liner applications. LDF-221C features easy processability. Large lot size and superior lot-to-lot uniformity ensure consistent film production. Minimum recommended film thickness is 1.0 mil. LDF-221C contains medium slip and medium antiblock.

General Information			
Additive	Moderate caking resistance		
	Moderate smoothness		
Features	Low density		
	Workability, good		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Films		
	Lining		
Forms	Particle		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	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	175	MPa	ASTM D882
1% secant, TD: 38 µm	205	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 38 µm	10.0	MPa	ASTM D882
TD: Yield, 38 µm	10.0	MPa	ASTM D882
MD: Fracture, 38 µm	25.0	MPa	ASTM D882
TD: Fracture, 38 µm	19.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	350	%	ASTM D882
TD: Fracture, 38 µm	600	%	ASTM D882
Dart Drop Impact (38 µm)	85	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922

MD : 38 μm	580	g	ASTM D1922
TD : 38 μm	120	g	ASTM D1922
Additional Information			
This Specimen was compression molded and was tested according to ASTM D1928 Procedure C.			
Extrusion	Nominal Value	Unit	
Melt Temperature	160 - 190	°C	

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Recommended distributors for this material

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