

CERTENE™ LDF-222A

Low Density Polyethylene
Muehlstein

Message:

LDF-222A is a certified prime resin specially designed for production of high clarity Blown films for packaging of articles requiring good opticals such as baked products, sandwich bags, light duty produce bags, toilette paper and textiles. LDF-222A features easy processability, and optimal balance of film strength, stiffness, good openability and excellent sealability. Maximum recommended film drawdown is 1.0 mil. LDF-222A contains no slip and no antiblock.

General Information			
Features	Low density		
	Rigid, good		
	Optical		
	Workability, good		
	Good strength		
	Definition, high		
Uses	Films		
	Bags		
	Textile applications		
	Food packaging		
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)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	
secant modulus			ASTM D882
1% secant, MD: 32 µm	234	MPa	ASTM D882
1% secant, TD: 32 µm	248	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 32 µm	10.0	MPa	ASTM D882
TD: Yield, 32 µm	11.0	MPa	ASTM D882
MD: Broken, 32 µm	26.0	MPa	ASTM D882
TD: Broken, 32 µm	15.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 32 µm	180	%	ASTM D882
TD: Broken, 32 µm	550	%	ASTM D882

Dart Drop Impact (32 μm)	85	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 32 μm	540	g	ASTM D1922
TD : 32 μm	160	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 31.8 μm)	75		ASTM D2457
Haze (31.8 μm)	5.3	%	ASTM D1003

Additional Information

This Specimen was compression molded and was tested according to ASTM D1928 Procedure C.

Extrusion	Nominal Value	Unit
Melt Temperature	175 - 185	°C

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