CERTENE™ LDF-224C

Low Density Polyethylene

Muehlstein

Message:

LDF-224C 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-224C features easy processability, and optimal balance of film strength, stiffness, good openability and excellent sealability. Maximum recommended film drawdown is 1.0 mil. LDF-224C contains medium slip and medium antiblock.

General Information			
Additive	Moderate caking resistance Moderate smoothness		
Features	Low density Rigid, good Optical Workability, good Good strength Definition, high Moderate caking resistance Moderate smoothness		
Uses	Films Bags Textile applications Food packaging		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.924	g/cm³	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)	5.5	%	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

Recommended distributors for this material

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