CERTENE™ LLHF-122D

Linear Low Density Polyethylene

Muehlstein

Message:

LLHF-122D is a certified prime resin containing Hexene-comonomer designed for production of superior strength and low stiffness Blown films. LLHF-122D features easy processability and films exhibit high impact strength, very good tear and excellent creep resistances. LLHF-122D major applications include heavy duty bags, high strength liners, grocery bags and frozen food packaging. Maxim um recommended film drawdown is 0.5 mil. LLHF-122D contains medium slip and high antiblock.

General Information			
Additive	Moderate caking resistance Moderate smoothness		
Features	Low density Rigid, good High caking resistance High strength Impact resistance, high Workability, good Good creep resistance Good tear strength Moderate smoothness		
Uses	Films Lining Bags Food packaging Heavy packing bag		
Forms	Particle		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	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	230	MPa	ASTM D882
1% secant, TD: 25 µm	260	MPa	ASTM D882
Tensile Strength			ASTM D882

MD: Yield, 25 µm	12.0	MPa	ASTM D882
TD: Yield, 25 µm	11.0	MPa	ASTM D882
MD: Break, 25 µm	57.0	MPa	ASTM D882
TD: Break, 25 µm	41.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	630	%	ASTM D882
TD: Break, 25 µm	880	%	ASTM D882
Dart Drop Impact (25 µm)	180	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	350	g	ASTM D1922
TD : 25 µm	8000	g	ASTM D1922

Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm)	60		ASTM D2457
Haze (25.4 µm)	9.5	%	ASTM D1003

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

Extrusion	Nominal Value	Unit
Melt Temperature	215 - 220	°C

Recommended distributors for this material

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