CERTENE®

Technical Data Sheet

LLBI-5526

Linear Low Density Polyethylene

LLBI-5526 *is a* ***certified prime*** *grade, containing* ***Butene-comonomer*** *specially designed for High-Flow INJECTION MOLDING of thin-walled high quality applications.* ***LLBI-5526*** *features superior processability over a wide range of molding conditions, fast cycle times, very good rigidity, high gloss surface, low temperature toughness, and warpage free moldings.* ***LLBI-5526*** *applications include housewares, margarine tubs, small to medium containers, trash cans, toys, and multicavity lids, closures and caps, where excellent toughness, good impact strength and high gloss are required. Recommended processing temperature is 170 to 210°C., with mold at 20 to 40°C..* ***LLBI-5526*** *complies with FDA regulation 21CFR 177.1520 (c) 3.1 (a) and most international regulations concerning the use of Polyethylene in contact with food articles.*

Typical Properties

PROPERTIES*	ASTM TEST	UNIT ENGLISH (METRIC)	NOMINAL VALUES
RESIN			
Melt Index	D 1238E	gr./10 min	55
Density	D 1505	gr./cm^3	0.926
MOLD SPECIMEN*			
Tensile Strength @Yield[2]	D 638	psi (MPa)	2000 (14)
Flexural Modulus[1]	D 790	psi (MPa)	75000 (517)
Ultimate Elongation[2]	D 638	%	100
Tensile Impact	D 1822	ft.lb/in.^{2} (kJ/m^2)	25 (53)
ESCR[3], (F50)	D 1693B	hrs.	5
Low temp. brittleness	D 746	°C.	-60
Vicat softening point	D 1525	°C.	92

TYPICAL VALUE OF PROPERTIES NOT TO BE CONSTRUED AS SPECIFICATIONS.

* - Test specimens from compression molded plaque according to ASTM D 1928 Procedure C.

1 - 1% secant @ 1.3 mm/min. speed.

2 - @ 50 mm/min. speed.

3 – 100% Igepal, notched Bent Strip, 1.75 mm thick, 50°C.

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MUEHLSTEIN

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