



TYPICAL DATA SHEET*

LINEAR LOW DENSITY POLYETHYLENE

LL0410AA

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LL0410AA is linear low density polyethylene copolymer containing butene-1(C4) as co monomer with based on INEOS's gas phase technology. It is suitable for blending with conventional LDPE.

Features: films made from pure LL0410AA have the following advantages over LDPE: better sealing, lower seal shrinkage, greater drawdown ability and higher stiffness & toughness. This grade has food contact approval.

Processing Method: extrusion (blown film)

Application: green house film, silage film, hand bags and general-purpose film applications.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (190°C 2.16KG)	g/10min	ASTM D-1238	1
MFR (UNDER LOAD 21.6KG/2.16KG)			29-30
DENSITY	gr/cm ³	ASTM D-1505	0.926
VICAT SOFTENING POINT (50°C/hr 1kg)	°c	ASTM D-1525	107
FILM**			
DART DROP IMPACT	METHOD A gr	ASTM D-1709	80
TENSILE STRESS AT YEILD	MD/TD MPa	ASTM D-882	12/13
TENSILE STRESS AT BREAK	MD/TD MPa	ASTM D-882	42/33
ELMENDORF TEAR STRENGTH	MD/TD gr/25μ	ASTM D1922	80/325
1%SECANT MODULUS	MD/TD MPa	ASTM D-882	235/245
ELONGATION AT YEILD	MD/TD %	ASTM D-882	11/10
ELONGATION AT BREAK	MD/TD %	ASTM D-882	620/850
WHITENESS INDEX	- -	ASTM E-313	50
HAZE	- %	ASTM D-1003	12
GLOSS (45°)	- -	ASTM D-2457	33

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

**38μm film, 2.5:1 blow up ratio, 225°C melt temperature, MD: Machine Direction, TD: Transverse Direction

Grade Suffix (Additives Indication) AA: GENERAL ANTIOXIDANT