



LD –LF0190

Low Density Polyethylene

Product Description

LF01090 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behaviour and superior mechanical properties.

Applications

- General purpose film and for lamination

PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
MFR (190°C/2.16KG)	Dg/min	1.9	ISO 1133
DENSITY	g/cm ³	0.921	ISO 1183(A)
IMPACT STRENGTH	KJ/m	20	ASTM D 4272
TEAR STRENGTH(TD)	KN/m	25	ISO 6383-2
TEAR STRENGTH(MD)	KN/m	70	ISO 6383-2
YIELD STRESS (TD)	MPa	11	ISO 527
YIELD STRESS (MD)	MPa	11	ISO 527
STRAIN AT BREAK(TD)	%	500	ISO 527
STRAIN AT BREAK (MD)	%	100	ISO 527
MODULUS OF ELASTICITY (TD)	MPa	190	ISO 527
COEFFICIENT OF FRICTION	-	>1	ASTM D 1894
MODULUS OF ELASTICITY (MD)	MPa	190	ISO 527
BL ⁰ CKING	g	20	Sabtec
RE-BL ⁰ CKING	g	50	Sabtec
HAZE	%	12	ASTM D 1003A
GLOSS	%	53	ASTM D 2457
CLARITY	mV	26	Sabtec

Film Properties Film properties have been measured at 25µm with a bur of 3.

Process conditions

A general purpose grade without additives. This grade offers high output and excellent drawdown.

Producer: Arya Sasol Petrochemical Co.

Licensor: Sabtec CTR®

Packing: Supplied in pellet form and can be packaged in 25kg bags, 1 ton semi bulk or 17 ton bulk.

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