



LD –LS0085

Low Density Polyethylene

Product Description

LS0085 is a high molecular weight low density polyethylene film grade combining good flexible extrusion behaviour and superior mechanical properties.

Applications

- Thin shrink film

PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
MFR (190°C/2.16KG)	Dg/min	0.85	ISO 1133
DENSITY	g/m ³	0.921	ISO 1183(A)
IMPACT STRENGTH	KJ/m	25	ASTM D 4272
TEAR STRENGTH(TD)	KN/m	30	ISO 6383-2
TEAR STRENGTH(MD)	KN/m	40	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)	%	200	ISO 527
MODULUS OF ELASTICITY (TD)	MPa	170	ISO 527
MODULUS OF ELASTICITY (MD)	MPa	170	ISO 527
COEFFICIENT OF FRICTION	-	1	ASTM D 1894
BL ^o CKING	g	50	Sabtec
RE-BL ^o CKING	g	50	Sabtec
HAZE	%	9	ASTM D 1003A
GLOSS	%	55	ASTM D 2457
CLARITY	mV	30	Sabtec

Film properties have been measured at 45µm with a bur of 3.

Process conditions

LS0085 is a grade with good toughness and good biaxial shrink properties. The material contains no additives, has a low energy consumption during processing and a good drawdown ability.

Producer: Arya Sasol Petrochemical Co.

Licensors: 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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