



## LD –LS0085/KJ

### Low Density Polyethylene

#### Product Description

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

#### Applications

- Shrink packaging applications

PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
MFR (190°C/2.16KG)	Dg/min	0.85	ISO 1133
DENSITY	g/m <sup>3</sup>	0.921	ISO 1183(A)
IMPACT STRENGTH	KJ/m	30	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	12	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	160	ISO 527
COEFFICIENT OF FRICTION	-	0.1	ASTM D 1894
BL <sup>o</sup> CKING	g	10	Sabtec
RE-BL <sup>o</sup> CKING	g	30	Sabtec
HAZE	%	12	ASTM D 1003A
GLOSS	%	49	ASTM D 2457
CLARITY	mV	37	Sabtec

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

The above data are typical laboratory average. They are intended to serve as guides only.

#### Processing conditions

LS0085/KJ is a grade with good toughness and good bi-axial shrink properties. The material contains a high anti-block level and medium level of slip agent (Erucamide). The grade has low energy consumption and has a good draw down ability.

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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