

## LD –LT0470/KJ 1)

**Product Description:** LT0470/KJ is a high molecular weight low density polyethylene film grade combining good flexible extrusion behavior and superior mechanical properties.

### 2) Applications:

- Stiffer thin films for textile packaging.

### 3) Typical data

<b>Film Properties</b> Film properties have been measured at 25µm with a bur of 3.			
<b>Properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test method</b>
MFR (190°C/2.16kg)	4.7	Dg/min	ISO 1133
Density	0.924	g/cm <sup>3</sup>	ISO 1183(A)
Impact Strength	13	KJ/m	ASTM D 4272
Tear Strength(TD)	30	kN/m	ISO 6383-2
Tear Strength(MD)	90	kN/m	ISO 6383-2
Yield Stress (TD)	12	MPa	ISO 527
Yield Stress (MD)	12	MPa	ISO 527
Strain at Break(TD)	500	%	ISO 527
Strain at Break (MD)	100	%	ISO 527
Modulus of Elasticity (TD)	250	MPa	ISO 527
Coefficient of friction	0.2	-	ASTM D 1894
Modulus of Elasticity (MD)	240	MPa	ISO 527
Blocking	< 5	g	Sabtec
Re-blocking	20	g	Sabtec
Haze	12.5	%	ASTM D 1003A
Gloss	50	%	ASTM D 2457

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

### 4) Process conditions:

LT0470/KJ is a grade with a very high level of anti block and a high level of slip agent (Eurcamide). The grade has an excellent draw down ability. The films produced from this grade are stiff, have excellent optical properties, low CoF and no blocking.

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.