

## Low Density Polyethylene

### L2102TX00

**Description:**

LPC produces low density polyethylene by the tubular reactor process. As a result the product range covers a wide variety of densities and melt flow rates. The LDPE grade slate has a wide variety of slip and anti block additives levels and includes a large numbers of grades with excellent optical properties.

Properties	Test Method	Unit	Value
Melt Flow Rate	-	dg/min	1.9
Density	-	kg/m <sup>3</sup>	921
Gloss (45)	ASTM D 2457	%	50
Haze	ASTM D 1003A	%	11
Clarity	SABTEC METHOD	mV	29
Impact Strength	ASTM D 4272	KJ/m	26
Tear Strength (TD)	-	kN/m	25
Tear Strength (MD)	-	kN/m	60
Yield Stress (TD)	-	MPa	11
Yield Stress (MD)	-	MPa	13
Tensile Strength at Break (TD)	-	MPa	20
Strain at Break (TD)	-	%	>500
Strain at Break (MD)	-	%	>150
Modulus of Elasticity (TD)	-	MPa	200
Modulus of Elasticity (MD)	-	MPa	190
Co efficient of Friction	ASTM D 1894	-	>1
Blocking	-	g	20
Re-Blocking	-	g	100

**Application:**

For general purpose film without additives. used in a wide range of widths and thicknesses for pouches, bags, liners and lamination film.

**Producer:** Arya Sasol Petrochemical Company