

## Low Density Polyethylene

### 2004TX37

#### Description:

The material is intended for very thin film requiring very good optical properties and is thus mainly applied in general packaging film such as textile packaging.

Properties	Test Method	Unit	Value
Melt Flow Rate	ISO 1133	dg/min	4.7
Density	ISO 1183(A)	kg/m <sup>3</sup>	921
Haze	ASTM D 1003A	%	9.5
Clarity	DSM METHOD	mV	23
Gloss	ASTM D 2457	%	53 ± 5
Anti Oxidant	DSM METHOD	ppm	600 ± 60
Anti Block	DSM METHOD	ppm	800 ± 50
Slip	DSM METHOD	ppm	900 ± 90
Impact Strength	ASTM D 4272	KJ/m	15
Tear Strength (TD)	ISO 6383-2	k N/m	30
Tear Strength (MD)	ISO 6383-2	k N/m	80
Yield Stress (TD)	ISO R527-1	MPa	11
Yield Stress (MD)	ISO R527-1	MPa	12
Tensile Strength (TD)	ISO R527-1	MPa	15
Tensile Strength (MD)	ISO R527-1	MPa	27
Elongation at Break (TD)	ISO R527-1	%	> 450
Elongation at Break (MD)	ISO R527-1	%	100

#### Additives:

Anti oxidant – Anti block – Slip agent

#### Process Conditions:

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

**Producer:** Arya Sasol Petrochemical Company