

## Technical Datasheet 2004 TC37

### 1) Product Description:

2004 TC37 is a low density Polyethylene. 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. Its additive package include Anti-oxidant, Anti-block, and Slip agent.

### 2) Applications:

general packaging film

### 3) Typical Data:

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	Dg/min	4.7
Density	ASTM D 1505	kg/m <sup>3</sup>	921
Slip		ppm	900
Anti block		ppm	800
Gloss (45°)	ASTM D 2457	%	53
Haze	ASTM D 1003A	%	9.5
Clarity	SABTEC Method	mV	23
Impact Strength	ASTM D 4272	KJ/m	15
Tear Strength TD	ASTM D 1922	KN/m	30
Tear Strength MD	ASTM D 1922	KN/m	80
Yield Stress TD	ASTM D 882	MPa	11
Yield Stress MD	ASTM D 882	MPa	12
Tensile Stress at break TD	ASTM D 882	Mpa	15
Tensile Strength at break MD	ASTM D 882	Mpa	27
Strain at break TD	ASTM D 882	%	>450
Strain at break MD	ASTM D 882	%	100
Modulus of elasticity TD	ASTM D 882	Mpa	190
Modulus of elasticity MD	ASTM D 882	Mpa	190
Coefficient of friction	ASTM D 1894		0.2
Blocking		g	< 5

\* Typical values not to be construed as specifications.