

## NAME: 2004TC37

1) **Product Description:** LDPE 2004TC37 Light duty Film

2) **Application:**

- It is used for very thin films requiring good optical properties for general packaging.

3) **Typical data. (Table)**

Property	Unit	Typical Value	Test Method
<b>Physical</b>			
MFI	Dg/min	4.7	ISO 1133
Density	kg/m <sup>3</sup>	921	ISO 1183 (A)
<b>optical</b>			
Haze	%	9.5	ASTM D1003A
Clarity	mV	23	DSM METHOD
Gloss	%	53±5	ASTM D2457
<b>Formulation</b>			
Anti oxidant	ppm	600±60	DSM METHOD
Anti block	ppm	800±50	DSM METHOD
slip	ppm	900±90	DSM METHOD
<b>Film property</b>			
Impact Strength	kJ/m	15	ASTM D4272
Tear Strength TD	KN/ m	30	ISO 6383-2
Tear Strength MD	KN/ m	80	ISO 6383-2
Yield Stress TD	MPa	11	ISO R527-1
Yield Stress MD	MPa	12	ISO R527-1
Tensile Strength TD	MPa	15	ISO R527-1
Tensile Strength MD	MPa	27	ISO R527-1
Elongation at break TD	%	>450	ISO R527-1
Elongation at break MD	%	100	ISO R527-1
Modulus of elasticity TD	MPa	190	ISO R527-1
Modulus of elasticity MD	MPa	190	ISO R527-1
Coefficient of friction		0.2	ASTM D1894