



# Futrol Petrochem

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## TECHNICAL DATA SHEET

**APPLICATIONS:** The grade has an excellent draw down ability. The material offers very good optical properties. It is therefore used in very thin films requiring good optical properties for general packaging applications, e.g. covering film with a very low blocking tendency.

**Additives : Anti-oxidant - Anti block - Slip agent**

**TRADE NAME: LDPE 2404TC47**

PROPERTY	VALUE	UNIT	TEST METHOD
<b>Polymer Properties</b>			
Melt Flow Rate	4.7	dg/min	
Density	924	Kg/m	
<b>Formulation</b>			
Slip	1000	ppm	
Anti-block	2000	ppm	
<b>Optical properties</b>			
Gloss(45)	50	%	ASTM D 2457
Haze	12	%	ASTM D 1003A
Clarity	28	mV	SABTEC method
<b>Mechanical Properties</b>			
Impact Strength	13	kJ/m	ASTM D 4272
Tear strength TD	30	kN/m	
Tear strength MD	90	kN/m	
<b>Tensile test</b>			
Yield strength TD	13	MPa	
Yield Stress MD	13	MPa	
Tensile stress at break TD	16	MPa	
Tensile stress at break MD	27	MPa	
Strain at break atd	>450	%	
Strain at break MD	100	%	
Coefficient of friction	0.2		ASTM D 1894
Blocking	>5	g	

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[sales@futrolpetrochem.com](mailto:sales@futrolpetrochem.com)