



SHOBEIR SHIMI  
WWW.SHOBEIRSHIMI.COM  
info@shobeirshimi.com

LALEH PETROCHEMICAL COMPANY

## LOW DENSITY POLYETHYLENE LDPE 2404TC47

LDPE 2404TC47 is a Low Density Polyethylene (LDPE) grade specifically designed for blown film applications. It is produced using the tubular reactor process by Laleh Petrochemical Company (LPC).

Producer	Characteristic Properties	Applications
LALEH	Excellent drawdown ability Very good optical properties	Used for thin films requiring good optical properties for general packaging applications

### Typical Properties

Resin Properties	Unit	Typical	Test Method
MFR	dg/10min	4.7	ISO 1133
Density	kg/m <sup>3</sup>	924	ISO 1183 (A)
Haze	%	12	ASTM D1003A
Clarity	mV	28	DSM METHOD
Gloss	%	50±5	ASTM D2457
Impact Strength	kJ/m	13	ASTM D4272
Tear Strength (TD/MD)	kN/m	30/90	ISO 6383-2
Yield Stress (TD/MD)	Mpa	13/13	ISO R527-1
Tensile Strength (TD/MD)	MPa	16/27	ISO R527-1
Elongation at break TD	%	>450	ISO R527-1
Modulus of elasticity (TD/MD)	MPa	250/230	ISO R527-1
Coefficient of friction	-	0.2	ASTM D1894