



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

LALEH PETROCHEMICAL COMPANY

LOW DENSITY POLYETHYLENE LDPE 2102TX00

LDPE 2102TX00 is a low-density polyethylene (LDPE) grade primarily used for the production of general-purpose films. This grade is produced without additives and is suitable for a variety of applications, including pouches, bags, liners, and lamination films.

Producer	Characteristic Properties	Applications
LALEH	Flexible and soft texture - Good chemical resistance Moderate barrier properties against gases and moisture Easy to print on due to its smooth surface	General-purpose films Pouches and bags Liners - Lamination films

Typical Properties

Resin Properties	Unit	Typical	Test Method
MFR	dg/10min	1.9	ISO 1133
Density	kg/m ³	921	ISO 1183 (A)
Haze	%	11	ASTM D1003A
Clarity	mV	29	DSM METHOD
Gloss	%	50±5	ASTM D2457
Impact Strength	kJ/m	26	ASTM D4272
Tear Strength (TD/MD)	kN/m	25/60	ISO 6383-2
Yield Stress (TD/MD)	Mpa	11/13	ISO R527-1
Tensile Strength (TD/MD)	MPa	20/-	ISO R527-1
Elongation at break TD	%	>500	ISO R527-1
Modulus of elasticity (TD/MD)	MPa	200/190	ISO R527-1
Coefficient of friction	-	>1.0	ASTM D1894