



# LDPE (ITI 2130)

Physical Properties	UNIT	Value	TEST METHOD
MFI (190 OC /2 .16 Kg )	dg/min	0.3	ISO 1133
Density	Kg/m3	921	ISO 1183 (A)
<b>Mechanical properties</b>			
Impact strength	KJ/m	31	ASTM D 4272
Tear strength (TD)	KN/m	45	ISO 6383-2
Tear Strength (MD)	KN/m	20	ISO 6383-2
Yield stress (TD)	MPa	10	ISO 527
Yield stress (MD)	MPa	11	ISO 527
Tensile stress at break (TD)	MPa	24	ISO 527
Tensile stress at break (MD)	MPa	22	ISO 527
Strain at Break (TD)	%	>500	ISO 527
Strain at Break (MD)	%	>350	ISO 527
Modulus of Elasticity (TD)	MPa	150	ISO 527
Modulus of Elasticity (MD)	MPa	140	ISO 527
Coefficient of friction		0.7	ASTM D 1894
Blocking	g	<5	SABTEC method
Re-blocking	g	20	SABTEC method
<b>Optical properties</b>			
Haze	%	12	ASTM D 1003A
Gloss (45o)	%	55	ASTM D 2457
Clarity	mV	50	SABTEC method

## APPLICATION

Additive

Antioxidant

general packaging applications, particularly those requiring a measure of shrink