



SPECIFICATION SHEET

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Linear Low Density Polyethylene (LLDPE)- Smooth

Property	Test Method	Values			
Thickness (mils nominal)	ASTM 5199	40	60	80	100
Thickness (mils minimum)	ASTM 5199	36	54	72	90
Density (g/cm ³ maximum)	ASTM D792, Method B	0.939	0.939	0.939	0.939
Tensile Strength at Break (lbs/in. width)	ASTM D6693, Type IV	160	240	320	400
Elongation at Break (%)	ASTM D6693, Type IV	800	800	800	800
Tear Resistance (lbs)	ASTM D 1004	25	37	48	62
Puncture Resistance (lbs)	ASTM D4833	60	90	120	150
Carbon Black Content (%)	ASTM D4218	2 - 3	2 - 3	2 - 3	2 - 3
Carbon Black Dispersion (Category)	ASTM D5596	10 views: 9 views in Cat. 1 or 2 and 1 view in Cat. 3			
Oxidative Induction Time (minutes)	ASTM D3895, 200°C, 1atm O ₂	≥100	≥100	≥100	≥100
Melt Flow Index (g/10 minutes)	ASTM D1238, 190°C, 2.16kg	≤1.0	≤1.0	≤1.0	≤1.0
Oven Aging	ASTM D5721	60	60	60	60
with HP, OIT, (% retained after 90 days)	ASTM D5885, 150°C, 500psi O ₂				
UV Resistance	GRI GM11	20hr. Cycle @ 75°C/4 hr. dark condensation @ 60°C			
with HP, OIT, (% retained after 1,600 hrs)	ASTM D5885, 150°C, 500psi O ₂	35	35	35	35
2% Secant Modulus (lbs/in max)	ASTM D5323	2,400	3,600	4,800	6,000
Axi-Symmetric Break Resistance Strain (%)	ASTM D5617	30	30	30	30

Supply Information (Standard Roll Dimensions)

Thickness (mils)	Width (ft)	Length (ft)	Approximate Area (SqFt)
40	23	835	19,205
60	23	540	12,420
80	23	415	9,545
100	23	335	7,705

NOTES: 1.) All rolls are supplied with two slings. 2.) All rolls are fitted with a 6 inch ID HDPE core. 3.) Special roll lengths are available upon request.
 4.) All roll lengths and widths have a tolerance of ±1%.

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