



SPECIFICATION SHEET

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High Density Polyethylene (HDPE) 30 - 100 mil

Property	Test Method	Values				
Thickness (mils nominal)	ASTM 5199	30	40	60	80	100
Thickness (mils minimum)	ASTM 5199	27	36	54	72	90
Density (g/cm ³ minimum)	ASTM D792, Method B	0.94	0.94	0.94	0.94	0.94
Tensile Strength at Yield (lbs/in. width)	ASTM D6693, Type IV - 2 in./minute	66	88	132	176	220
Tensile Strength at Break (lbs/in. width)	ASTM D6693, Type IV	120	160	240	320	400
Elongation at Yield (%)	ASTM D6693, Type IV	13	13	13	13	13
Elongation at Break (%)	ASTM D6693, Type IV	700	700	700	700	700
Tear Resistance (lbs)	ASTM D 1004- Die C	23	30	45	60	72
Puncture Resistance (lbs)	ASTM D4833	60	80	120	160	190
Carbon Black Content (%)	ASTM D4218	2 - 3	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				
Stress Crack Resistance (Single Point NCTL)	ASTM D 5397, Appendix	300 hrs	300 hrs	300 hrs	300 hrs	300 hrs
Oxidative Induction Time (minutes)	ASTM D3895, 200°C, 1atm O ₂	≥100	≥100	≥100	≥100	≥100
Melt Flow Index (g/10 minutes)	ASTM D1238, 190°C, 2.16kg	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
Oven Aging	ASTM D5721	80	80	80	80	80
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	50	50	50	50	50

These product specifications meet or exceed GRI's GM13

Supply Information (Standard Roll Dimensions)

Thickness (mils)	Width (ft)	Length (ft)	Approximate Area (SqFt)
30	23	1,040	23,920
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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