



SPECIFICATION SHEET

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Linear Low Density Polyethylene (LLDPE)- Microspike®

Property	Test Method	Values			
Thickness (mils nominal)	ASTM D5994	40	60	80	100
Thickness (mils minimum)	ASTM D5994	34	51	68	85
Asperity Height (mils nominal)	GRI GM12	16	16	16	16
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	112	168	224	280
Elongation at Break (%)	ASTM D6693, Type IV	400	400	400	400
Tear Resistance (lbs)	ASTM D 1004	25	36	50	60
Puncture Resistance (lbs)	ASTM D4833	50	70	90	115
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	710	16,330
60	23	505	11,615
80	23	385	8,855
100	23	310	7,130

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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