



## SPECIFICATION SHEET

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# High Density Polyethylene (HDPE)- Microspike®

Property	Test Method	Values			
Thickness (mils nominal)	ASTM 5199	40	60	80	100
Thickness (mils minimum)	ASTM 5199	38	57	76	95
Asperity Height (mils nominal)	GRI GM12	16	16	16	16
Density (g/cm <sup>3</sup> minimum)	ASTM D792, Method B	0.94	0.94	0.94	0.94
Tensile Strength at Yield (lbs/in. width)	ASTM D6693, Type IV - 2 in./minute	88	132	176	220
Tensile Strength at Break (lbs/in. width)	ASTM D6693, Type IV	88	132	176	220
Elongation at Yield (%)	ASTM D6693, Type IV	13	13	13	13
Elongation at Break (%)	ASTM D6693, Type IV	350	350	350	350
Tear Resistance (lbs)	ASTM D 1004	30	45	60	72
Puncture Resistance (lbs)	ASTM D4833	90	120	150	180
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			
Stress Crack Resistance (Single Point NCTL)	ASTM D 5397, Appendix	300 hrs	300 hrs	300 hrs	300 hrs
Oxidative Induction Time (minutes)	ASTM D3895, 200°C, 1atm O <sub>2</sub>	≥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	80	80	80	80
with HP, OIT, (% retained after 90 days)	ASTM D5885, 150°C, 500psi O <sub>2</sub>				
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 <sub>2</sub>	50	50	50	50

### 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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