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High Density Polyethylene (HDPE) 30-100 MIL Specifications

Property	Test Method	Values				
Thickness (mils nominal)	ASTM 5199	30	40	60	80	100
Thickness (mil minimum)	ASTM 5199	27	36	54	72	90
Density (g/cm ³)	ASTM D792, Method B	0.94	0.94	0.94	0.94	0.94
Tensile Strength at Yield (lbs./in. width)	ASTM D6693, TypeIV-2"/min	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 D1004- 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	10Views:9Views in Cat. 1 or 2 & 1 View in Cat. 3				
Stress Crack Resistance (Single Point NCTL)	ASTM D5397, 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/10Min)	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
w/ HP,OIT (% retained after 90 Days)	ASTM D5885, 150°C, 500psi O ₂					
UV Resistance	GRI GM11 20Hr. Cycle @ 75°C/4Hr. Dark Condensation @ 60°C					
w/ 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 (ft ²)
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" ID HDPE core 3.) Special roll lengths are available upon request. 4.) All roll lengths and width have a tolerance of ±1%

All information, recommendations and suggestions appearing in this literature concerning the use of the products are based upon test and data believed to be reliable; however, it is the user's responsibility to determine the suitability for their own use of the products described herein. Since the actual use by others is beyond our control no guarantee or warranty of any kind, expressed or implied, is made by Rain 2 Day, Inc. as to the effects of such use or the results to be obtained, nor does Rain 2 Day, Inc. assume any liability in connection herewith. Any statement made herein may not be absolutely complete since additional information may be necessary or desirable when particulars or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Nothing herein contained is to be construed as permission or as a recommendation to infringe any patent.