

APPENDIX I

HDPE GEOMEMBRANE MANUFACTURER QUALITY CONTROL DOCUMENTATION

ROLL TEST DATA REPORT



Report Date: Apr/1/2014

Sales Order No.	Customer Name	Project Location	Product Name	BOL Number
			HDT-060AE-BBB-B-00	

Roll Number	Average Thickness ASTM D5984 (mil)	Minimum Thickness ASTM D5984 (mil)	Yield Strength ASTM D6693 (psi)	Yield Elongation ASTM D6693 (%)	Break Strength ASTM D6693 (psi)	Break Elongation ASTM D6693 (%)	Tear Resistance ASTM D1004 (lbs)	Puncture Resistance ASTM D4833 (lbs)	Density ASTM D1505 (g/cc)	Carbon Content ASTM D4218 (%)	Carbon Disulfide ASTM D5596 (Views in Cell-Cat2)	Aspexy Height ASTM D7468 (mil) A Side	Aspexy Height ASTM D7468 (mil) B Side					
103198710	61	57	159	166	18	17	220	166	592	409	54	51	147	0.945	2.3	10	24	23

Laboratory Manager _____
[Signature]

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ROLL TEST DATA REPORT



ENVIRONMENTAL™

Report Date: Apr/1/2014

Sales Order No. PO-070690	Customer Name Site Transfer Houston to FAB	Project Location Houston TX US	Product Name HDS-080AE-BBB-B-00	BOL Number
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Roll Number	Average Thickness ASTM D5198 (mils)	Minimum Thickness ASTM D5198 (mils)	Yield Strength ASTM D6692 (psi)	Yield Elongation ASTM D6692 (%)	Yield Elongation ASTM D6692 (%)	Break Strength ASTM D6692 (psi)	Break Elongation ASTM D6692 (%)	Break Elongation ASTM D6692 (%)	Tear Resistance ASTM D1004 (lbs)	Tear Resistance ASTM D1004 (lbs)	Puncture Resistance ASTM D4933 (lbs)	Density ASTM D1505 (g/cc)	Carbon Black Content ASTM D4218 (%)	Carbon Discoloration ASTM D5596 (Visual)
109200319	80	76	232	236	17	473	459	888	73	68	194	0.943	2.2	10

Laboratory Manager

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