

Bamboo Barrier / Tree Root Barrier Typical Properties

Property (ASTM method)	30 mil	40 mil	60 mil	80 mil	100 mil
Density (g/cm ³ , ASTM D792)	0.952	0.987	0.977	0.961	0.962
Carbon Black Content (% , ASTM D4218)	1.78	6.30	4.80	3.87	1.76
Carbon Black Dispersion (ASTM D5596)	Cat 1	Cat 1	Cat 1	Cat 1	Cat 1
Melt Flow Index (g/10 min, ASTM D1238)	0.33	0.48	0.32	0.32	0.36
Tensile Strength at Break (ppi, ASTM D6693)*	107	125	153	173	232
Puncture Resistance (lbs, ASTM D4833)	78	103	163	164	231
Tear Resistance (lbs, ASTM D1004)*	30	36	54	64	82
Oxidative Induction Time (min, ASTM D3895)	6.3	17.4	20.0	26.4	23.5

* MD/TD properties: the lower of machine- and transverse-direction values is shown as the conservative typical figure.

DISCLAIMER

Values shown are typical, representative results from independent laboratory testing of sample roll stock and are provided for general reference only. They are not guaranteed minimums or warranted specifications. Properties may vary between production lots and across thicknesses. This material is sold specifically as bamboo and tree root barrier and is not certified to GRI-GM13 or any other geomembrane standard. Customers are responsible for determining suitability for their specific application.