



Data Sheet

PROPERTIES	TEST METHOD	IMPERIAL	METRIC
Thickness	ASTM D5199	30.0 mils	0.75 mm
Density	ASTM D792 or ASTM D1505	.0914 g/cm ³	
Weight, Nominal	ASTM D0751	146 lbs/MSF	713 g/m ²
*Tensile Strength	ASTM D6693 1. Tensile Strength at Break 2. Elongation at Break	135 lbf/in width 1000%	24 N/mm width 1000%
*Tear Resistance	ASTM D1004	10 lbf	44 N
Puncture Resistance	ASTM D4833	48 lbf	214 N
Carbon Black	ASTM D1603 D4218	>2%	
Oxidative Induction Time (OIT)	ASTM D3895	175 Min	
Multiaxial Tension % Elongation	ASTM D5617	>325	
2% Secant Modulus (PSI)	ASTM D5323	>10,500	
Maximum Use Temperature		180° F -40° F	82° C -40° C

- Tests are an average of MD and TD directions
- The data listed in this data sheet is representative of initial production runs. These values may be revised at any time without notice as additional test data becomes available.

Aqua Flex is a co-extruded membrane consisting of prime very-low-density black polyethylene (VLDPE) to provide extremely high elongation, tear resistance, and bursting strength. Aqua Flex will remain flexible and conforming for challenging angles and terrains without stress cracking problems often seen with high density membranes. A minimum fine carbon black content of 2.0% provides excellent protection from UV rays and harsh weather conditions. Manufactured from virgin resins, Aqua Flex does not contain plasticizers which can migrate to the surface, causing premature aging and degradation