

GEO V30B

Very Low Density Polyethylene

PRO-FORMA DATA SHEET		GEO V30B	
PROPERTIES	TEST METHOD	Imperial	Metric
THICKNESS	ASTM D5199	30.0 mils	0.75 mm
DENSITY	ASTM D792 or ASTM D1505	0.914 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.

PRO-FORMA Sheet Contents:

The data listed in this Pro-Forma data sheet is representative of initial production runs. These values may be revised at anytime without notice as additional test data becomes available.

GEO V30B is a co-extruded membrane consisting of prime very-low-density black polyethylene (VLDPE) to provide extremely high elongation, tear resistance, and bursting strength. GEO V30B 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, GEO V30B does not contain plasticizers which can migrate to the surface, causing premature aging and degradation.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. GeoCHEM, Inc. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

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