

| | | GEO SAFE TUV | |
|---------------------------------|-----------------|---|---|
| PROPERTIES | TEST METHOD | Imperial | Metric |
| CONSTRUCTION | | Multi-layer Barrier Film | |
| APPEARANCE | | Varied | |
| THICKNESS, NOMINAL | ASTM D 5199 | 1.1 mil | 0.03 mm |
| WEIGHT / AREA | ASTM 4321 | 6 lbs/MSF | 29 g/m ² |
| *MASS TRANSFER COEFFICIENT | | 0.0001 mol/(s·m ²)/(mol/m ³) | 0.0001 mol/(s·m ²)/(mol/m ³) |
| IMPACT RESISTANCE | ASTM D 1709 (A) | 177 grams | 177 grams |
| TENSILE STRENGTH @ BREAK | ASTM D 882 | 4 lbf/in MD 4 lbf/in TD | 7 N/cm MD 7 N/cm TD |
| ELONGATION @ BREAK | ASTM D 882 | 450 % MD 541 % TD | 450 % MD 541 % TD |
| PUNCTURE RESISTANCE | ASTM D 4833 | 4 lbf | 18 N |
| **APPROXIMATE EXPOSED LONGEVITY | | 18 Months | |
| MAXIMUM USE TEMPERATURE | | 180° F | 82° C |
| MINIMUM USE TEMPERATURE | | -70° F | -57° C |

* Test results listed are based on the following information: Overview of Recent Fumigant Emissions Research, Charles Smith, Health Effects Division, Office of Pesticide Programs, U.S. EPA, 2010 MBOA Conference

** Longevity varies with actual location and weather conditions, which include sun or shade, extreme heat or cold, wind, altitude, installation and many other variables. Because of these variables, we cannot determine exact longevity.

Geo Safe™ TUV is a seven layer co-extruded barrier films made from very flexible lineal low density polyethylene and an inner core of gas impermeable EVOH. High strength LLDPE provides exceptional tear and impact strengths to allow for ease of installation and long term performance. **Geo Safe™ TUV** contains thermal and UV stabilizers to increase outdoor longevity. Utilizing **Geo Safe™ TUV** (TIF) can maximize production acres significantly impacting your overall bottom line while reducing fumigant rates up to 50% without loss of efficacy or yield.

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.