



## Poly Sheeting Specification

6mm & 10mm

Earthsavers poly sheeting (Polyethylene Film) will meet or exceed the minimum physical property requirements set forth in the following specification and standards:

1. National Bureau of Standards Voluntary Product Standard PS 17-69: **Complies**
2. Federal Specification LP 378D, Type 1, Class 1, Grade A, Finish 1: **Complies**
3. American Society for Testing materials ASTM D 4397-91 standard specification for polyethylene sheeting for construction, Industrial, and agricultural applications: **Complies**
4. ASTM E-96-90, requiring that water vapor permeance shall be no greater than 1.40 grams per 100 square inches per 24 hours for film 1 mil thick, inversely proportional to other thicknesses. Expressed in perms, not to exceed:
  - a. .001" (1Mil) 0.76 Perms
  - b. .002" (2Mil) 0.38 Perms
  - c. .004" (4Mil) 0.19 Perms
  - d. .006" (6Mil) 0.13 Perms
  - e. .008" (8Mil) 0.10 Perms
  - f. .010" (10Mil) 0.076Perms
  - g. .015" (15Mil) 0.057 Perms
  - h. .020" (20Mil) 0.038 Perms
5. ASTM C-156, Moisture Retention, requiring that loss of water will not exceed 0.055 G/CM2: **Complies**
6. ASTM D-882-91 Method A, requiring the following mechanical properties:
  - a. Tensile Strength, psi 1700 (lengthwise) 1200 (Crosswise)
  - b. Elongation % 350 (lengthwise) 225 (Crosswise)
7. Federal Specification LS-137, requiring no evidence of fungus growth: **Complies**
8. Minimum requirements set forth in Federal Specification UUP-147B and F.H.A. Bulletin UM20A: **Complies**
9. American Society for Testing and Materials, ASTM D2103-86: **Complies**
10. ASTM E154-68, Methods of Testing Materials for use as Vapor Barriers under Concrete Slabs and as Ground Cover in Crawl Spaces: **Complies**
11. ASTM 4635-95 Standard specification for Polyethylene Films for general use and packaging applications: **Complies**