

All Dr. Shrink, Inc. shrink wrap is formulated from premium grade polyethylene, UV inhibitors, and other additives which are designed to resist degradation due to sunlight, rain, chemicals, and heat. It is suited for heavy-duty applications where excellent two directional shrink properties and toughness is required.

| Test Description | Method | Units | Nominal** Value | | | | | |
|----------------------------------|-------------|------------------|-----------------|---------|---------|---------|----------|----------|
| Thickness | ASTM D1593* | Mil (µm) | 6 (152) | 7 (178) | 8 (203) | 9 (229) | 10 (254) | 12 (305) |
| Weatherability | ASTM G53 | Hours | 1000+ | 1000+ | 1000+ | 1000+ | 1000+ | 1000+ |
| Shrink Temperature | ASTM D2732 | Deg F | 275 | 275 | 275 | 275 | 275 | 275 |
| <i>Tensile Properties</i> | | | | | | | | |
| Yield (md) | ASTM D882 | psi | 1450 | 1450 | 1450 | 1450 | 1450 | 1450 |
| (cd) | | psi | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 |
| Break (md) | ASTM D882 | psi | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| (cd) | | psi | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 |
| Elongation (md) | ASTM D882 | % | 650 | 675 | 700 | 725 | 750 | 775 |
| (cd) | | % | 750 | 775 | 800 | 825 | 850 | 850 |
| Elmendorf Tear (md) | ASTM D1922 | grams | 750 | 900 | 1100 | 1350 | 1700 | 1900 |
| (cd) | | grams | 1400 | 1600 | 1750 | 2050 | 2400 | 2600 |
| Dart Impact | ASTM D1709 | grams | 750 | 825 | 900 | 925 | 1000 | 1050 |
| Moisture Vapor Transmission Rate | ASTM E96 | g/100 sq. in-day | 0.23 | 0.20 | 0.18 | 0.16 | 0.14 | 0.10 |
| | | perms | 0.13 | 0.11 | 0.096 | 0.082 | 0.076 | 0.062 |
| | | Metric perms | 0.086 | 0.072 | 0.063 | 0.054 | 0.050 | 0.041 |

The above shrink wrap also meets the following industry and government technical specifications:

Industry Standards

ASTM D4397-91
ASTM D4635-91 Type 1, 2 & 3; Surface 2; Finish 1

Government Standards

Federal Specification LP-378*** Type 1 & 2; Class 1; Grade B; Finish 1
Federal Specification LP-390 Type 1; class L; Grade 1 or 2; Category 4
Federal Specification LP-512 Type 1; Class L; Grade 1 or 2

*Based on average roll weight

**Nominal values are not to be considered minimum specification for acceptance of product

***Required by GSA for polyethylene shrink wrap