6 MIL SHEETING

1. PRODUCT NAME

Retail/DIY Plastic Sheeting

Polyethylene Sheeting designed for general purpose construction, agricultural, and industrial usage.

2. MANUFACTURER

Berry Plastics
Monroe, LA
71203

3. Scope

Specification covers both black and clear 2, 3, 4, 5, 6, 8, and 10 mil sizes.

4. General Information

A. *Basic Uses*

Berry Plastics' polyethylene sheeting is used in a wide variety of applications. Polyethylene provides an excellent vapor barrier for the protection of concrete slabs and foundations. Proper placement of polyethylene sheeting in walls during construction can almost completely prevent ambient air and moisture infiltration into homes and buildings, thus increasing their energy efficiency. Agricultural applications (black sheeting only) include retention of soil moisture, inhibition of weed growth, and coverage of pit and trench silos for inexpensive storage.

B. *Life Expectancy*

Product does not include UV inhibitor. Clear polyethylene sheeting is not recommended for greenhouse use or any other application involving long-term exposure to sunlight. Black sheeting is recommended for applications not exceeding 90 days of sunlight exposure. Special additives are available at request for extended outdoor applications up to 2 years.

C. *Shelf Life*

Polyethylene sheeting has a shelf life of approximately 2 years if not exposed to sunlight or extreme heat.

D. *Other Limitations*

Check with the vendor for information on these and other limitations that may or may not apply depending on the specific application and product.

E. *Adhesion*

Due to the variety of resins and additives available, it is often difficult to bond two pieces of film together. Two adhesives that have proven to be successful in the past are Universal Adhesives' *Spray Adhesive* and *DURO™ All Purpose Spray Adhesive* distributed by Loctite Corporation.

F. *Temperature Range*

Usable range for LDPE has been defined as -60F to 150F

Table 1

PHYSICAL PROPERTY	TEST METHOD	VALUE	EXPECTED VALUE
COF, Kinetic - In\Out	ASTM 1894	-----	< 0.25
WVTR	ASTM E 96	g/100 in²/day	0.20
Tensile @ Peak MD	ASTM D 882 METHOD A	PSI	1700
Tensile @ Peak TD	ASTM D 882 METHOD A	PSI	1200
Elongation MD	ASTM D 882 METHOD A	%	250
Elongation TD	ASTM D 882 METHOD A	%	350
Elmendorf Tear MD	ASTM D 1922	gf	600
Elmendorf Tear TD	ASTM D 1922	gf	1200
Dart Drop (26")	ASTM D 1709	g	260

TABLE 2

PROPERTY	TYPE	DESCRIPTION
Density	1	.920 - .925
Impact Strength	2	40 – 70 gm/mil
Coefficient of Friction	2	.20 - .40
Haze	3	> 9
Luminous Transmittance	0	Unspecified

5. Technical Data

Berry Plastics' polyethylene sheeting complies with most national, state and local specifications for concrete curing, vapor barrier applications, and other uses involving polyethylene sheeting.

LP378 Type 1, Class 1, Grade B, and Finish 1.

ASTM D4397 Meets specs as outlined in table 1 below.

NIST 133 Film weight is calculated as required by the National Institute Standards Technology.

ASTM E154-99 Water vapor retarders used in contact with earth under concrete slabs, on walls or as ground cover.

PS 17-69 Public Standards 17.

ASTM C171 Standard Specification for Sheet Materials Used for Curing Concrete

6. Recyclability

This sheeting is rated as a CLASS 4 – LDPE for recycling purposes.

The information presented on this data sheet has been established by company based laboratory testing. This information does not imply warranty by the company of product specifications, tolerances, or function in the end use.