

# TECHNICAL DATA SHEET

## PROTEXX™ POLY SHEETING 1½ MIL SHEETING

### 1. Product Name

#### Retail/DIY Plastic Sheeting

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

### 2. Manufacturer

TRAXX Corporation  
Pomona, California  
91766

### 3. Scope

Specification covers both black and clear 1½ mil sizes.

### 4. General Information

#### A. Basic Uses

TRAXX Corporation's 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

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. There are various adhesives tapes in the market that may be effective, including the residue-free poly hanging tapes manufactured by others.

#### F. Temperature Range

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

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.

PHYSICAL PROPERTY	TEST	MINIMUM VALUES
Tensile (md)	ASTM D 882 Method A	1700psi
Tensile (td)	ASTM D 882 Method A	1200psi
Elongation (md)	ASTM D 882 Method A	250%
Elongation (td)	ASTM D 882 Method A	350%
Water Vapor Permeance	ASTM E 96 Procedure E	<0.5 perms
Moisture Retention	ASTM C 156	<0.055g/cm <sup>2</sup>
Elmendorf Tear (md)	ASTM D 1922	100 gm
Elmendorf Tear (td)	ASTM D 1922	200 gm
Coefficient of Friction	ASTM D 1894	Medium
Dart Impact	ASTM D 1709	40 gm

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

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

# TECHNICAL DATA SHEET

## PROTEXX™ POLY SHEETING 3 MIL SHEETING

### 1. Product Name

#### Retail/DIY Plastic Sheeting

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

### 2. Manufacturer

TRAXX Corporation  
Pomona, California  
91766

### 3. Scope

Specification covers both black and clear 3 mil sizes.

### 4. General Information

#### A. Basic Uses

TRAXX Corporation's 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

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. There are various adhesives tapes in the market that may be effective, including the residue-free poly hanging tapes manufactured by others.

#### F. Temperature Range

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

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.

PHYSICAL PROPERTY	TEST	MINIMUM VALUES
Tensile (md)	ASTM D 882 Method A	1700psi
Tensile (td)	ASTM D 882 Method A	1200psi
Elongation (md)	ASTM D 882 Method A	250%
Elongation (td)	ASTM D 882 Method A	350%
Water Vapor Permeance	ASTM E 96 Procedure E	<0.5 perms
Moisture Retention	ASTM C 156	<0.055g/cm <sup>2</sup>
Elmendorf Tear (md)	ASTM D 1922	300 gm
Elmendorf Tear (td)	ASTM D 1922	600 gm
Coefficient of Friction	ASTM D 1894	Medium
Dart Impact	ASTM D 1709	120 gm

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

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

# TECHNICAL DATA SHEET

## PROTEXX™ POLY SHEETING 4 MIL SHEETING

### 1. Product Name

#### Retail/DIY Plastic Sheeting

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

### 2. Manufacturer

TRAXX Corporation  
Pomona, California  
91766

### 3. Scope

Specification covers both black and clear 4 mil sizes.

### 4. General Information

#### A. Basic Uses

TRAXX Corporation's 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

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. There are various adhesives tapes in the market that may be effective, including the residue-free poly hanging tapes manufactured by others.

#### F. Temperature Range

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

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.

PHYSICAL PROPERTY	TEST	MINIMUM VALUES
Tensile (md)	ASTM D 882 Method A	1700psi
Tensile (td)	ASTM D 882 Method A	1200psi
Elongation (md)	ASTM D 882 Method A	250%
Elongation (td)	ASTM D 882 Method A	350%
Water Vapor Permeance	ASTM E 96 Procedure E	<0.5 perms
Moisture Retention	ASTM C 156	<0.055g/cm <sup>2</sup>
Elmendorf Tear (md)	ASTM D 1922	400 gm
Elmendorf Tear (td)	ASTM D 1922	800 gm
Coefficient of Friction	ASTM D 1894	Medium
Dart Impact	ASTM D 1709	160 gm

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

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

# TECHNICAL DATA SHEET

## PROTEXX™ POLY SHEETING 6 MIL SHEETING

### 1. Product Name

#### Retail/DIY Plastic Sheeting

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

### 2. Manufacturer

TRAXX Corporation  
Pomona, California  
91766

### 3. Scope

Specification covers both black and clear 6 mil sizes.

### 4. General Information

#### A. Basic Uses

TRAXX Corporation's 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

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. There are various adhesives tapes in the market that may be effective, including the residue-free poly hanging tapes manufactured by others.

#### F. Temperature Range

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

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.

PHYSICAL PROPERTY	TEST	MINIMUM VALUES
Tensile (md)	ASTM D 882 Method A	1700psi
Tensile (td)	ASTM D 882 Method A	1200psi
Elongation (md)	ASTM D 882 Method A	250%
Elongation (td)	ASTM D 882 Method A	350%
Water Vapor Permeance	ASTM E 96 Procedure E	<0.5 perms
Moisture Retention	ASTM C 156	<0.055g/cm <sup>2</sup>
Elmendorf Tear (md)	ASTM D 1922	600 gm
Elmendorf Tear (td)	ASTM D 1922	1200 gm
Coefficient of Friction	ASTM D 1894	Medium
Dart Impact	ASTM D 1709	240 gm

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

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