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SINCE 1952

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Polyethylene Construction Film Specifications

To Our Valued Customer:

This letter is certification that all 4 mil (.004), 6 mil (.006), 8 mil (.008), and 10 mil (.010) full weight polyethylene construction film manufactured by Tex-Trude, LP and bearing the Tex-Trude label only, meets the criteria established in **ASTM D 4397**. This polyethylene film* manufactured by Tex-Trude, which includes clear, black, and white, has been one of the most durable and reliable construction films in the construction industry for over 25 years, and when tested meets or exceeds the standard of **ASTM D 2103-08**, and all applicable ASTM standards for each test listed below. The Water Vapor Transmission Rate was tested in accordance by **ASTM E 96**.

ASTM D 4397 – 09
Table 3 – Specification for WVTR

Film Thickness	WVTR ($g/24 \cdot h \cdot 100 \cdot in^2$)
4 mils	<.35
6 mils	<.23
8 mils	<.18
10 mils	<.14

ASTM D 4397 – 09
Table 4 – Specification for Permeance

Film Thickness	WVTR Perms (English)	WVTR Perms (Metric)
4 mils	<.19	<.12
6 mils	<.13	<.084
8 mils	<.096	<.063
10 mils	<.076	<.050

ASTM References:

D1709	Impact resistance of plastic film by free-falling dart method.
D374	Thickness 6.2 Plastic Sheet and Film.
2103	Standard Specification for Polyethylene Film and Sheeting.
E96	Water vapor transmission of materials.
D4397	Standard Specification for Polyethylene Sheeting for Construction, Industrial, and Agricultural Applications.

ASTM D 2103 – 08
Table 1 – Type Numbers

Film Thickness	Density (g/cm^3)	Impact Strength (g)	Coefficient of Friction	Haze
4 mils	0.926 - 0.941	151 - 300	Unspecified	> 9.0
6 mils	0.926 - 0.941	151 - 300	Unspecified	> 9.0
8 mils	0.926 - 0.941	151 - 300	Unspecified	> 9.0
10 mils	0.926 - 0.941	151 - 300	Unspecified	> 9.0

Sincerely,

Tim McCafferty
QSE Manager

*Analyticals performed by Polyhedron Laboratories, Inc, Houston, TX