



**Plastatech**<sup>®</sup>  
**Tech 5**<sup>®</sup>

**Geomembrane**

Plastatech<sup>®</sup> Tech 5<sup>®</sup> geomembranes help shield the environment against chemicals and other pollutants commonly found in landfills, reservoirs, chemical processing plants, refineries, manufacturing facilities and water treatment operations.

Plastatech Tech 5 is reinforced with a high-tenacity, non-wicking, polyester scrim that provides exceptional dimensional stability, puncture strength and long-term durability. Designed to meet the challenges found in irregularly contoured areas and high stress applications requiring protective barriers, Plastatech Tech 5 can be easily installed in exposed work sites. It is produced in a 35-mil nominal thickness.

### Uses

- Wastewater containment
- Secondary containment
- Secondary lining
- Landfill covers
- Containment ponds

### Installation

Plastatech Tech 5 will perform satisfactorily when properly field fabricated and incorporated into an installation over a suitable base of pre-consolidated soil.

Contact Plastatech for installation instructions.

### Warranty

Contact Plastatech for warranty details.

### Storage

Store rolls lengthwise on pallets. Use tarps to keep rolls dry. Keep out of direct sunlight and weather.



## Physical Properties

Plastatech Tech 5 has been subjected to the following tests.

	TEST METHOD	UNITS	30 MILS
Fabric Weight	ASTM D3776	oz/yd <sup>2</sup>	4.7
Finished Weight	ASTM D751	oz/yd <sup>2</sup>	29.0
Thickness	ASTM D751	mils	35 ± 5%
Breaking Strength	ASTM D751	lbf/in.	450 MD/360 CMD
Tear Strength	ASTM D4533	lbf	90 MD/70 CMD
Low Temperature Resistance	ASTM D2136	-25° F	Pass
Dimensional Stability	ASTM D1204	%	-0.7 MD/0.03 CMD
Hydrostatic Resistance	ASTM D751	psi	> 660
Blocking Resistance	ASTM D751	180° F (#2 rating)	Pass
Adhesion	ASTM D751	lbf/in.	Not separable
Adhesion Heat-Welded Seam	ASTM D751	lbf/in.	> 90
Bonded Seam Strength	ASTM D751	lbf	290
Abrasion Resistance	ASTM D3389 H-18 Wheel 1 kg Load	50mg/100 cycles	Pass
		2,000 cycles	Pass
Weathering Resistance	QUV	hours	11,000
Water Extraction	ASTM D3083	%	< 0.25
Wicking		in.	Pass
Bursting Strength	ASTM D751	psi	660
Puncture Resistance	ASTM D4833	lbf	> 180
Coefficient of Thermal Expansion	ASTM D696	mm/mm•°C	1.3 × 10 <sup>-5</sup> MD
Tongue Tear	ASTM D751	lbf	150 MD/160 CMD

## Physical Properties

Plastatech Tech 5 has been subjected to the following tests.

CHEMICAL	EFFECT	CHEMICAL	EFFECT
ASTM Fuel A	C	Chlorine Bleach	C
Diesel Fuel	C	Methyl Ethyl Ketone (MEK)	I
Gasoline	M	Toluene	I
Jet Fuel	C	Xylene	I
Kerosene	C	Tetrahydrofuran (THF)	I
Crude Oil	C	Mineral Spirits	C
Motor Oil	C	Hydrochloric Acid (20%)	C
Hydraulic Oil	C	Sulfuric Acid (20%)	C
Corn Oil	C	Phosphoric Acid	C
Methanol	C	Distilled Water	C
Ethanol	C	Deionized Water	C
Isopropyl Alcohol	C	Municipal Water	C
Ethyl Glycol	C	Sea Water	C
Heptane	C	Waste Water	C

Key: C= Compatible M= Moderately Compatible I= Incompatible

## Packaging and Color Options

### Available Sizes

Plastatech Tech 5 is available in black 30 mil thickness. Contact Plastatech for custom sizes.

THICKNESS	30 MILS
Width	64.25 in. ± 0.25 in.
Length	150 yd.
Roll Area	2,400 sq. ft.
Approx. Weight	580 lb.





CONTAIN. CONTROL. COMPLY.

For more information about Plastatech,  
give us a call or visit our website today.

**800-892-9358**

[plastatech.com](http://plastatech.com)

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