



Plastatech[®] Tech 5[®]

Geomembrane

Plastatech Tech 5 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 areas and high stress applications requiring protective barriers.

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.
800.892.9358 | info@plastatech.com

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
Finished Weight	ASTM D751	g/sq. ft.	90
Thickness	ASTM D751	mils	35 ± 5%
Base Fabric Weight	ASTM D3776	oz./yd. ²	4.7
Tongue Tear Strength	ASTM D751	lbf	150 MD/160 CMD
Low Temperature Bend	ASTM D2136	-25 F	Pass
Adhesion	ASTM D413	lbf/in.	Nonsperable
Tensile Strength	ASTM D751	lbf/in.	450 MD/360 CMD
Bursting Strength	ASTM D751 Ball Tip Method	lbf	501
Hydrostatic Resistance	ASTM D751 Procedure A	psi	660
Trapezoid Tearing Strength	ASTM D4533	lbf	70 MD/70 CMD
Puncture Strength	ASTM D4833/D4833M	lbf	180
Vapor Transmission	ASTM E96/E96M Procedure BW Inverted Water Method	grains/hr-sq. ft.	0.06
Coefficient of Thermal Expansion	ASTM D696	mm/mm/degree C MD	0.000013
Weathering Resistance	ASTM G154	hrs.	5,000 +
Bonded Seam Shear Strength	ASTM D751	lbf	290
Elongation	ASTM D751 Grab Test Method		28 MD/28 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 lbs.





CONTAIN.CONTROL.COMPLY.

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

800.892.9358

plastatech.com

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