



PlastaFlex® OR Geomembrane



PlastaFlex OR provides impervious protection when exposed to oils, fuels, and harsh chemicals commonly found in industrial and oil refinery settings.

PlastaFlex OR was developed for primary and secondary containment of oil products and industrial chemicals.

PlastaFlex OR offers maximum flexibility, elongation and tensile strength that offers long-term design performance.

Applications for **PlastaFlex OR** include oil fields, fuel tank storage facilities, and other areas that require enhanced chemical resistance. The standard thickness for **PlastaFlex OR** is 30 mils (0.030 inches); other thicknesses can be manufactured upon request.

Applications include:

- Secondary containment
- Chemical holding basins
- Oil field storage
- Crude oil storage
- Fuel tank storage facilities
- Landfills and caps
- Wastewater lagoons
- Industrial lagoons

TYPICAL PROPERTY	TEST METHOD	UNITS	30-mil
Thickness	ASTM D5199	mil	30.0 ± 5%
Width	ASTM D751	inches	76 1/4 ± 1/4
Specific Gravity	ASTM D792		1.20 min.
Tensile Properties Breaking Strength Elongation at Break 100% Modulus	ASTM D882	lb _f /in. % lb _f /in.	73 min. 350 min. 32 min.
Tear Resistance	ASTM D1004	lb _f	8.0 min.
Low Temperature	ASTM D1790		Pass at -12°C
Dimensional Stability	ASTM D1204	%	3 max.
Water Extraction	ASTM D1239	%	0.15 max.
Volatile Loss	ASTM D1203	%	0.5 max.
Hydrostatic Resistance	ASTM D751 Procedure A	psi	100 min.

CHEMICAL	EFFECT
ASTM Fuel A	C
Diesel Fuel	C
Gasoline	M
Jet Fuel	C
Kerosene	C
Crude Oil	C
Motor Oil	C
Hydraulic Oil	C
Corn Oil	C
Methanol	C
Ethanol	C
Isopropyl Alcohol	C
Ethyl Glycol	C
Heptane	C

CHEMICAL	EFFECT
Chlorine Bleach	C
Methyl Ethyl Ketone (MEK)	I
Toluene	I
Xylene	I
Tetrahydrofuran (THF)	I
Mineral Spirits	C
Hydrochloric Acid (20%)	C
Sulfuric Acid (20%)	C
Phosphoric Acid	C
Distilled Water	C
Deionized Water	C
Municipal Water	C
Sea Water	C
Waste Water	C

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



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