

HAZGARD® 635FR – SECONDARY CONTAINMENT LINER

A HAZGARD® 635FR geomembrane provides the strength and durability required for secondary spill containment. Uniquely resistant to a wide range of chemicals, including hydrocarbons, solvents, acids, bases, and salts, HAZGARD® 635FR geomembranes are some of the most chemically-resistant materials available today.

This unique fire retardant secondary containment geomembrane is an excellent lining material for the containment of flammable and combustible liquids, including; gasoline and alcohol-blended gasoline, diesel and biodiesel-blended diesel, jet fuels, oils, and lubricants.

April 2023		HAZGARD® 635FR	
Material Properties	Rev	ASTM	HAZGARD® 635FR
	ULC/S668	ULC S668	Yes
	28 day Permeance to Test Fluids*	ULC S668	<10 g/m ² /hr
	30 day Compatibility to Test Fluids*	ULC S668	<10% Wt Change
	30 day Soil Burial	ULC S668	Pass
	Thickness	ASTM D5199	35 mil 0.88 mm
	Tensile Strength	ASTM D751 Grab Method	300 lbs 1330 N
	Tensile Strength	ASTM D638 Strip Method	130 lbs/in 22.7 N/mm
	Elongation	ASTM D751 Grab Method	700%
	Puncture Strength	ASTM D4833	49 lbs 218 N
Low Temperature	ASTM D1790	-40°F -40°C	

*Test Fluids include 16 different flammable, combustible, and oxygenated liquids as defined by the ULC S668

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April 2023

HAZGARD® 635FR Minimum Shop Seam Strengths

Style	ASTM	HAZGARD® 635FR
ULC S668 Seam Strength Requirement	D7749 Grab Method	112 lbs 500 N
Heat Bonded Seam Strength	D6392 25.4 mm (1") Strip	55 lbs 9.6 N/mm
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	45 lbs 7.9 N/mm

April 2023

HAZGARD® 635FR Minimum Field Seam Strengths

Style	ASTM	HAZGARD® 635FR
ULC S668 Seam Strength Requirement	D7747 Grab Method	112 lbs 500 N
Heat Bonded Seam Strength	D6392 25.4 mm (1") Strip	55 lbs 9.6 N/mm
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	45 lbs 7.9 N/mm

INSTALLATION

HAZGARD® 635FR liner materials are flexible enough to be prefabricated into large panels. The prefabricated panel is accordion folded, rolled onto a core, and then delivered to the job site secured to a pallet. Prefabricated panels can often cover a small project with a single panel. Often local labor forces can be used to unroll and unfold the panel, while on larger projects trained installation technicians should be brought out to join panels. If field welds are required, then HAZGARD® 635FR materials are welded with wedge welders for production seaming and extrusion welders for repair.

Each liner panel will have a label that will indicate the unrolling and the unfolding direction. Placement of the panel in the correct location prior to unrolling will greatly ease installation. Once the liner material is placed then it should be attached to any required walls and piping and then carefully backfilled.

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