



Technical Data Sheet

HAZGARD 535 & 1000 – Polyvinyl Carbonate Geomembrane

HAZGARD products as manufactured by Layfield Inc.:

The HAZGARD product line is used for the secondary containment of flammable and combustible liquids including gasoline and many hydrocarbon-based solvents. HAZGARD1000 is one of the most chemically resistant materials available and is often selected to contain solvents where no other liner material would be suitable. **HAZGARD1000 has been independently tested to meet the fire code requirements of ULC/ORD C58.9 for secondary containment in Canada.**

Properties	Test Method	HAZGARD 535	
		Metric Units	English Units
Thickness	ASTM D1593		
<i>Nominal</i>		0.88 mm	35 mil
<i>Minimum</i>		0.84 mm	33 mil
Tensile Properties	ASTM D751		
<i>Tensile Strength</i>		1300 N	300 lbf
<i>Elongation at Break</i>		1000 %	1000 %
Tear Resistance	-	-	-
Low Temp. (pass)	ASTM D1790	-40 °C	-40°F
Specifications for Factory Fabricated Seams			
Heat Bonded Seam Strength	ASTM D6392	9.6 N / mm	55 lbs / in
Heat Bonded Peel Adhesion Strength	ASTM D6392	7.9 N / mm	45 lbs / in

Properties	Test Method	HAZGARD 1000	
		Metric Units	English Units
Thickness	ASTM D1593		
<i>Nominal</i>		0.88 mm	35 mil
<i>Minimum</i>		0.84 mm	33 mil
Tensile Properties	ASTM D751		
<i>Tensile Strength</i>		1555 N	350 lbf
<i>Elongation at Break</i>		25 %	25 %
Tear Resistance	ASTM D751B	667 N	150 lbf
Low Temp. (pass)	ASTM D2136	-43 °C	-45°F
Specifications for Factory Fabricated Seams			
Heat Bonded Seam Strength	ASTM D6392	17.5 N / mm	100 lbs / in
Heat Bonded Peel Adhesion Strength	ASTM D6392	3.3 N / mm	19 lbs / in