



Technical Data Sheet

HAZGARD 100 & 250–Polyvinyl Carbonate Geomembrane

HAZGARD products as manufactured by Layfield Inc.:

The HAZGARD100 product is a highly flexible and easily solvent weldable liner, because of these qualities it makes it ideal for contractor installs in applications such as under building vapor barriers, soil remediation pads and cut-off curtains. The HAZGARD250 product is also highly flexible and solvent weldable yet it can be left exposed to the elements.

Properties	Test Method	HAZGARD 100	
		Metric Units	English Units
Thickness	ASTM D1593		
<i>Nominal</i>		0.75 mm	30 mil
<i>Minimum</i>		0.72 mm	28.5 mil
Tensile Properties	ASTM D882		
<i>Tensile Strength</i>		10 N / mm	57 lbs / in
<i>Elongation at Break</i>		450 %	450 %
Tear Resistance	ASTM D1004	26.7 N	6 lbf
Low Temp. (pass)	ASTM D1790	-30 °C	-22°F
Specifications for Factory Fabricated Seams			
Heat Bonded Seam Strength	ASTM D6392	6.5 N / mm	37 lbs / in
Heat Bonded Peel Adhesion Strength	ASTM D6392	3.3 N / mm	19 lbs / in

Properties	Test Method	HAZGARD 250	
		Metric Units	English Units
Thickness	ASTM D1593		
<i>Nominal</i>		0.95 mm	38 mil
<i>Minimum</i>		0.91 mm	36 mil
Tensile Properties	ASTM D751		
<i>Tensile Strength</i>		800 N	180 lbs
<i>Elongation at Break</i>		25 %	25 %
Tear Resistance	ASTM D751B	98 N	22 lbf
Low Temp. (pass)	ASTM D2136	-30 °C	-22°F
Specifications for Factory Fabricated Seams			
Heat Bonded Seam Strength	ASTM D6392	17.5 kN/m	100 lbs / in
Heat Bonded Peel Adhesion Strength	ASTM D6392	3.5 kN/m	20 lbs / in

Updated: 4/22/2014