

PRODUCT DESCRIPTION

GeoMat™ GM50 is a composite geomembrane consisting of an oriented HDPE woven reinforced fabric coated with a UV stabilized outer covering laminated to a needle punched protective fabric. GeoMat™ GM50 has exceptionally high impact strength, abrasion and slip resistance on the fabric surface. The outer edges are designed for ease of heat sealing in the factory or field for a water tight seam.

PRODUCT USE

GeoMat™ GM50 is used in a variety of high traffic applications requiring slip resistance, high tear strength and impact strength. Typical applications include well pad containment, canal lining, secondary containment and surface protection. GeoMat™ GM50 composite material eliminates the need for installing individual containment and protection / absorption layers.

SIZE & PACKAGING

GeoMat™ GM50 is available in seamless 12' widths or produced in a wide variety of sizes to meet your requirements. Factory quality fabricated panels are available up to 22,000 sq.ft or 3,000 lbs. All panels are accordion folded and rolled on a heavy-duty core and protectively wrapped for shipment.

GEOMAT™



Rig-Site Pad Liner

PRODUCT

PART

GeoMat..... GM50

APPLICATIONS

Rig Site Pad Liner	Canal Liners
Secondary Containment	Landfill Caps
Surface Protection	Remediation Pad

GEOMAT™ GM50

REINFORCED COMPOSITE GEOMEMBRANE

GEOMAT™ GM50

PRO-FORMA DATA SHEET

PROPERTIES	TEST METHOD	IMPERIAL		METRIC	
		MINIMUM	TYPICAL	MINIMUM	TYPICAL
WEIGHT	ASTM D751	125 lbs/msf	140 lbs/msf	610 g/m ²	684 g/m ²
THICKNESS	ASTM D5199	60 mil	70 mil	1.52 mm	1.78 mm
GRAB TENSILE AT BREAK	ASTM D7004	405 lbf	450 lbf	1802 N	2002 N
TENSILE ELONGATION AT BREAK	ASTM D7004	15 %	20 %	15 %	20 %
TONGUE TEAR	ASTM D751	125 lbf	145 lbf	556 N	645 N
PUNCTURE RESISTANCE	ASTM D4833	225 lbf	270 lbf	1001 N	1201 N
MULLEN BURST	ASTM D751	250 psi	> 300 psi	1724 kPa	> 2068 kPa
MAXIMUM STATIC USE TEMPERATURE		180° F		82° C	
MINIMUM STATIC USE TEMPERATURE		-70° F		-57° C	

PRO-FORMA SHEET CONTENTS: The data listed in the Pro-Forma data sheet is representative of initial production runs. These values may be revised at anytime without notice as additional test data becomes available.

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Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. GEOCHEM, INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

