



# OCV™ Technical Fabrics

## PRODUCT INFORMATION

## Multimat® Fabrics

### PRODUCT DESCRIPTION

OCV™ Technical Fabrics Multimat® Fabrics are designed for closed molding applications such as Closed Cavity Bag Molding (CCBM), Compression Molding, Vacuum Infusion (VIP), and lightweight Resin Transfer Molding (RTM - Lite). Multimat® Fabrics are 100% glass and are a combination of a knitted glass fiber core that is stitch bonded between two layers of binder free chopped glass. The glass fiber core provides enhanced flow properties and contributes to the overall mechanical properties.

### PRODUCT APPLICATION

Multimat® Fabrics are designed to be used as a single layer reinforcement, resulting in time and material savings. The unique 100% glass fiber construction offers great resistance to delamination. Parts can be laminated and post cured with phenolic resins. Multimat® Fabrics have a strong bond between the glass and resin throughout the laminate which maximizes the service life of the laminate. The high glass content along with the resin properties will dictate the overall strength of the part.

### FEATURES

100% glass fiber	High mechanical properties
One layer laminates from 2mm to 7mm	One product for multiple parts
Wets out fast in RTM and VIP	Fast fill and cycle time
Flexible and pre-formable	Results in less time to load the part

### PRODUCT BENEFITS

### PRODUCT NOMENCLATURE



Unit Conversions : 1 in = 2.54 cm - 1 oz/lyd² = 33.9 glm²

### PHYSICAL PROPERTIES / AVAILABLE PRODUCTS

FAMILY	PRODUCT DESCRIPTION	TOTAL WEIGHT (gm²)	WEIGHT UNIFORMITY (gm²)			STANDARD WIDTH (cm)
			CSM	Glass Knitted	CSM	
Multimat®	S300/G500/S300	1100	300	500	300	125/250
	S375/G500/S375	1200	375	500	375	125/250
	S450/G500/S450	1400	450	500	450	125/250
	S600/G500/S600	1700	600	500	600	125/250
	S900/G500/S900	2300	900	500	900	125/250
	S300/G900/S300	1500	300	900	300	125/250
	S450/G900/S450	1800	450	900	450	125/250
	S500/G900/S500	1900	500	900	500	125/250
	S600/G900/S600	2100	600	900	600	125/250
	S750/G900/S750	2400	750	900	750	125/250
	S900/G900/S900	2700	900	900	900	125/250

Others weights, types and combinations are available under request.



### APPLICATION RANGE / RTM FIXED CAVITY

in	0.079	0.118	0.157	0.197	0.236	
mm	2	3	4	5	6	
<b>S900/G900/S900</b>						
% w glass		50	45	38	33	30
<b>S600/G900/S600</b>						
		45	37	31	27	
<b>S600/G500/S600</b>						
	45	40	32	26		
<b>S450/G500/S450</b>						
	47	34	27			
<b>S375/G500/S375</b>						
	43	31	27			

#### CONTACTS

**OCV FABRICS US, INC.**  
43 BIBBER PARKWAY  
BRUNSWICK, ME 04011  
U.S.A.  
+1 207 729 7792

Contact :  
[sales.na.ovctf@owenscorning.com](mailto:sales.na.ovctf@owenscorning.com)

[www.ovctechnicalfabrics.com](http://www.ovctechnicalfabrics.com)

**OCV FABRICS BELGIUM BVBA**  
DRUKKERIJSTRAAT 9  
B-9240 ZELE  
BELGIUM  
+32 52 45 76 11

Contact :  
[sales.eu.ovctf@owenscorning.com](mailto:sales.eu.ovctf@owenscorning.com)

**OCV TECHNICAL FABRICS**  
2/F, NO. 68 TSO WO HANG  
SAI KUNG, KOWLOON  
HONG KONG  
+852 9091 3534

Contact :  
[sales.ap.ovctf@owenscorning.com](mailto:sales.ap.ovctf@owenscorning.com)



### OCV™ Technical Fabrics

**OWENS CORNING  
COMPOSITE MATERIALS, LLC**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO 43659  
1.800.GET.PINK™

[www.owenscorning.com](http://www.owenscorning.com)  
[www.owenscorning.com/composites](http://www.owenscorning.com/composites)

**EUROPEAN OWENS CORNING  
FIBERGLAS, SPRL.**  
166, CHAUSSÉE DE LA HULPE  
B-1170 BRUSSELS - BELGIUM  
+32.2.674.82.11

**OWENS CORNING - OCV ASIA PACIFIC**  
SHANGHAI REGIONAL HEADQUARTERS  
2F OLIVE LVO MANSION  
620 HUA SHAN ROAD  
SHANGHAI CHINA 200040  
+86.21.62489922

This information and data contained herein is offered solely as a guide in the selection of a reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation.

