

# MC450SB

## TECHNICAL DATA BULLETIN

**GRADE:** MC450SB

**NEMA GRADE:** N

**U. L. LISTED:** N

**DESCRIPTION:** MC450SB, StormBlocker™ is a composite of heavy-weight glass cloth/phenolic surface plies on a proprietary composite core. It is used as the outside covering of a storm shelter built into a home, office or other building in areas where high winds frequently cause damage to buildings. Independent testing on the shelter system was completed at Texas Tech. and Clemson Universities<sup>1</sup>.

**THICKNESS TESTED:** 0.312"

### TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES		UNITS	VALUE
Specific Gravity		-	-
Rockwell Hardness		M Scale	95
Moisture Absorption Condition D <sub>i</sub> -24/23		%	1.40
Flexural Strength Condition A	LW / CW	psi	19,100 / 14,500
Flexural Modulus Condition A	LW / CW	kpsi	4,300 / 3,000
Tensile Strength Condition A	LW / CW	psi	26,200 / 18,300
Izod Impact Strength Condition E-48/50	LW / CW	ft-lb/in notched	22.0 / 15.0
Compressive Strength Condition A	Flatwise <sup>2</sup>	psi	22,700

<sup>1</sup> More information about StormBlocker is available at [www.stormblocker.com](http://www.stormblocker.com), including information in PDF format.

<sup>2</sup> Flatwise – the force is applied perpendicular to the laminations.

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. The terms and conditions of the agreement under which it is sold will govern any sales of this product. Data supplied above are "typical values"; not to be considered "specification values".

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Specification writers: Contact Norplex-Micarta for specification values before submission.