

# William T. Burnett & Co.

## FOAM DIVISION

"Manufacturing with the environment in" ®

## PRODUCT SPECIFICATIONS

### 6.0N POLYESTER POLYURETHANE FOAM

PHYSICAL	TEST			
	U.S.		METRIC	
	MINIMUM	AVERAG	MINIMUM	AVERAG
Density	6.00 ± 10 % lbs./ft. <sup>3</sup>		96.1 ± 10 % kg/M <sup>3</sup>	
Tensile Strength	10.0 psi	18.0 psi	69 kPa	124 kPa
Elongation	150%	190%	150%	190%
Compression Force Deflection				
25 % Deflection	0.65 psi	0.75 psi	4.5 kN/M <sup>2</sup>	5.2 kN/M <sup>2</sup>
50 % Deflection	0.95 psi	1.20 psi	6.6 kN/M <sup>2</sup>	8.3 kN/M <sup>2</sup>
Retention of Tensile Strength after 3 hours, 105°C, steam autoclave			Min. 70%	
Retention of Tensile Strength after 22 hours, 140°C, dry heat aging			Min. 70%	

#### Flammability Characteristics: §

- Meets the requirements of Underwriters Laboratories Standard for Safety UL 94 Classification HF-1 @ 0.118 inch (3.0 mm) minimum thickness. ¥

#### Features:

- Clickable
- Meets the Requirements of RoHS ( Restriction of Hazardous Substances European Union Directive – 2002/95/EC)
- Compliant with European union REACH (Registration, Evaluation and Authorization of Chemical Substances - EC1907/2006)

\* Test Methods : ASTM-D3574-[ latest revision ]. Standard Methods of Testing Flexible Cellular Materials - Slab, Bonded, and Molded Urethane Foam.

‡ FMVSS 302 is a test procedure that specifies the burn resistance requirements for material used in the occupant compartments of motor vehicles.

¥ UL 94 is a test for Flammability of Plastic Materials for Parts in Devices and Appliances.

§ The flammability test(s) described in this specification is/are small scale test procedure(s) performed under controlled laboratory conditions, and is/are not intended herein to reflect the hazards presented by this or any other material under actual fire conditions.

CFC's are not used in the manufacturing of Wm. T. Burnett & Co. polyurethane

Edition: 3/22/2010

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