

# TECHNICAL DATASHEET SENTIENT FOAMS™

## HYDROPHILIC FOAM

2mm Hydrophilic Foam with Non-woven layer

Product Code – S2000R

### Application:

- For use as a skin contact layer where high absorbency and high strength is required

### Construction:

- 2.0mm aliphatic hydrophilic foam with nonwoven reinforcement layer supplied on a release liner

### Characteristics:

- Highly Absorbent
- Excellent Fluid Retention
- Good Breathability
- Soft
- Conformable
- High Tensile Strength
- Product does not yellow when sterilized

### Properties:

#### 2mm Hydrophilic Foam + Non-Woven

TEST	Transcontinental Advanced Coatings Test Method Ref	UNIT	TYPICAL RESULT
Thickness	SF-TM-001	mm	2.0 ±0.5
Foam Density	SF-TM-001	Kg/m <sup>3</sup>	120 ±10
Absorption	BS EN13726-1:2002	g/g	12 ±2
*Fluid Retention	SF-TM-001	%	70 ± 5
MVTR (Upright Cup)	BS EN13726-2:2002	g/m <sup>2</sup> /24 hrs	3400 ± 10%
Load at break – Dry (MD and CD)	SF-TM-001	N/25mm	31 and 11 ±3
Load at break – Wet (MD and CD)	SF-TM-001	N/25mm	23 and 9 ±3
Elongation to break – Dry (MD and CD)	SF-TM-001	%	50 and 80 ±20
Elongation to break – Wet (MD and CD)	SF-TM-001	%	50 and 80 ±20

\*Based on 36mmHg pressure for 30 seconds

The information provided by Transcontinental Advanced Coatings is for information only. Recommended storage conditions of 23°C ± 5°C, 50% ± 10% Relative Humidity in sealed black packaging. Consult Material Safety Data sheet before transport, storage or use. Although every effort has been made to supply reliable data, the values listed above are for guidance purposes only and do not constitute a specification. It is the responsibility of the customer to determine the suitability of Transcontinental Advanced Coatings' products in their manufacturing processes and in their end use applications. Transcontinental Advanced Coatings accepts no responsibility for performance requirements outside of those in agreed specifications. The material referenced in this data sheet is a component to be used in the construction of products that are for external use only. Nothing contained herein is intended as a recommendation to use our products to infringe any patent.

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### CONTACT

CHINA Site: +86 20 3221 8338, Transcontinental AC, Factory 2-101, No 96 Banhe Road, Huangpu District, Guangzhou 510730

UK Site: +44 1978 660241, Transcontinental AC, Ash Road North, Wrexham Industrial Estate, Wrexham, LL13 9UF

USA Site: +1 704 847 9171, Transcontinental AC, 700 Crestdale Road, Matthews, NC 28105

EMAIL: [communications@tc.tc](mailto:communications@tc.tc) WEBSITE: [www.tc.tc/advancedcoatings](http://www.tc.tc/advancedcoatings)

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