

# TECHNICAL DATASHEET SENTIENT FOAMS™

## HYDROPHILIC FOAM

5mm Hydrophilic Foam with Non-woven layer and PU backing film

Product Code – S5015R

### Application:

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

### Construction:

- 5.0mm aliphatic hydrophilic foam with nonwoven reinforcement layer supplied with a 15micron PU film on a release liner

### Characteristics:

- Highly Absorbent
- Excellent Fluid Retention
- Good Breathability
- Soft and Waterproof
- Conformable
- Low Coefficient of Friction
- High Tensile Strength
- Product does not yellow when sterilized

### Properties:

5mm Hydrophilic Foam + Non-Woven + 15micron PU Film

TEST	Transcontinental Advanced Coatings Test Method Ref	UNIT	TYPICAL RESULT
Thickness	SF-TM-001	mm	5.0 ±0.5
Foam Density	SF-TM-001	Kg/m <sup>3</sup>	110 ±10
Absorption	BS EN13726-1:2002	g/g	11 ±2
*Fluid Retention	SF-TM-001	%	80 ±5
MVTR (Upright Cup)	BS EN13726-2:2002	g/m <sup>2</sup> /24 hrs	2100 ±10%
Load at break – Dry (MD and CD)	SF-TM-001	N/25mm	37 and 18 ±3
Load at break – Wet (MD and CD)	SF-TM-001	N/25mm	32 and 14 ±3
Elongation to break – Dry (MD and CD)	SF-TM-001	%	50 and 90 ±20
Elongation to break – Wet (MD and CD)	SF-TM-001	%	55 and 90 ±20

\*Note 1: 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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