TECHNICAL DATASHEET

inspire® 2350 LR (Low Release)
30µm Matt Pink Polyurethane Film/Paper Release Liner

Application:

- Breathable film typically for use in medical products as a backing film for hydrophilic foams, hydrocolloid dressings and PSA coated secondary wound dressings for the consumer and professional markets

Construction:

- 30µm breathable cast matt polyurethane film on a siliconised paper liner

Characteristics:

- Excellent breathability, highly conformable drape and soft feel characteristics
- Low Release properties for ease of removal of polyurethane from casting paper
- Waterproof, bacterial barrier
- Low coefficient of friction
- Tested in accordance with ISO 10993

This PU film can be available in other colors and can be printed with FDA approved inks

Polyurethane Film Properties:

TEST	TRANSCONTINENTAL ADVANCED COATINGS Test Method Ref	UNIT	TYPICAL RESULT
Film Deposit	57	g/m²	30-32
Ease of Release	79	g/25mm	2-5
MVTR (Inverted Cup)	118	g/m²/24 hours	14500-14600
MVTR (Upright Cup)	118	g/m²/24 hours	2600-2700
Tensile Strength	65	g/25mm	2700-3000
Elongation	65	%	460-490
Permanent Set	139	%	0
Load to produce 20% Elongation	139	g/25mm	190-250
Dynamic Coefficient of Friction Teflon Surface Cotton Surface	191	 No Units No Units	 0.35-0.40 0.85-0.90
Waterproofness	198	500mm hydrostatic head	Pass

Polyurethane Film Resistance:

TEST	TRANSCONTINENTAL ADVANCED COATINGS Test Method Ref	TENSILE STRENGTH	ELONGATION
		g/25mm	%
Water – 1 hour	170	2375	446
Water – 24 hours	170	2325	456
Surgical Spirit - 1 hour	170	1026	549
Saline – 1 hour	170	2850	527
Betadine – 1 hour	170	2625	484

The information provided by Transcontinental Advanced Coatings is for information only. Recommended storage conditions of 23°C ± 5°C, 50% ± 10% Relative Humidity. 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.

(This Product Information Sheet is not intended by Transcontinental Advanced Coatings for use as a Product Specification or Warranty for the Product)

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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 WEBSITE: www.tc.tc/advancedcoatings