

TEST REPORT
 Sample as Received

Client: Radiator Limited
 5 Nairn Street
 FREMANTLE WA 6160
Attention: Bob Lushey
Phone: (08) 9430 9739
Fax: (08) 9430 7138

Report: 07/9565

Date: 7 December 2007
Page: 1/1
Order No:

Sample Description: Wetsuit fabric
Colour: Gold coated inner face

RMIT Ref. Number: N1138

SELECTION OF TESTS AND TEST METHODS AS ADVISED BY CLIENT

<u>Test Description</u>	<u>Test Method</u>
Measurement of thermal and water vapour resistance under Steady state conditions (sweating guarded – hot plate test)† <i>Test conditions:</i> Ambient temperature: 20°C Ambient relative humidity: 65% Head temperature: 35°C Guard temperature: 35°C Note: These results are the mean of one test on each of 3 specimens.	ISO 11092-1993

Thermal resistance	
Black face down	0.017 m ² K/W
Gold face down	0.015 m ² K/W

Determination of thickness, compression & recovery characteristics † **AS 2111.17-1996 (modified)**

Thickness at 2 kPa	1.18 mm
Thickness at 20 kPa	1.02 mm
Compression between 2kPa and 20 kPa	0.16 mm

Surface frictional properties of fabric † **AS/NZS 4547.3-2004, (modified) Method 3**

Note: Metallic coated (gold) mounted on the surface of a horizontal plane attached to base of testing machine. Standard Martindale abrasant fabric attached to the sled.

Gold side	Dry	Wet
Length	6.0 N	7.5 N
Width	6.3 N	6.3 N

† These tests were conducted by CSIRO Textile Testing Laboratory, Report 07-0749, dated 05/12/2007