Test Safe
AUSTRALIA

REPORT

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Prepared for:

WHYTE-HALL AUSTRALIA PTY LTD

FRAS Testing of Minor Conveyor Accessories

ilac-MRA

NATA

Accredited Laboratory
No. 1032

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Issued by

TESTSAFE AUSTRALIA

Dealing with

TESTING OF FIRE RESISTANT AND ANTISTATIC MINOR CONVEYOR ACCESSORIES TO AS 1334.9, AS 1334.10 and ISO 2878 as referenced by MDG 3006 MTR8

APPLI-CANT:	Whyte-Hall Australia Pty Ltd
ADDRESS:	PO Box 425 Seven Hills NSW 2147
MANUFACTURER:	Marland/Whyte-Hall (Australia) Pty Limited
DATE OF APPLICATION:	25/08/2010
JOB No:	M14821
PRODUCT DESCRIPTION:	Degassing and Purging Airmover
DESCRIPTION OF MATERIAL:	FRAS Fiberglass
NOMINAL THICKNESS:	3.5 mm
COLOUR:	Black
TEST SPECIFICATION:	AS 1334.9-1982 ISO 2878: 2005, Method 7.2
OVERALL RESULT:	Pass

REMARKS

1. Please note that the test results contained in this report apply only to those samples of material that were tested and may not be indicative of the total supply from which the samples were drawn.

2. These test results on their own do not indicate the fire hazard of the material actual fire conditions and consequently, should not be applied to the assessment of fire hazard without taking into account additional supportive information.

3. Acceptance Criteria as given in Clause 3.2 of MDG 3006 MTR8 – January 2007 *Testing of Non-Metallic Materials For Use In Underground Coal Mines*

Signatory (J. Kent)

TEST RESULTS

1. Electrical Resistance (Surface) Test to AS 1334.9-1982:

Test Date: 30/08/2010

Surface Measurement:
Ambient Temperature: 23.0 °C
Relative Humidity: 48.9 %

Test Equipment: Resistance Bridge, Megger BMD3, s/no. 713
Temperature Recorder, Tinyview, s/no. 106525
Humidity Recorder, Vaisala, s/no. U2510055
Vernier, Starrett, s/no. N036-22-1

TEST DATA:

Test Piece No.	Electrical Resistance (MΩ)	
	Upper (Smooth) Surface	Lower (Rough) Surface
S7590 ER-1	1.293	0.190
S7590 ER-2	1.538	0.186
Total	2.831	0.376
Average	1.416	0.188

Acceptance Criteria: AS4606-2000, Clause 7.5 (as referenced by MDG 3006):

'When tested in accordance with AS 1334.9 the average of two resistance measurements on the carrying side of the belt shall not exceed 300 MΩ and the average of two resistance measurements on the pulley side of the belt shall not exceed 300 MΩ'

RESULT: Pass

COMMENTS: Contact solution used on both samples, upper surface only

2. Electrical Resistance (Through) Test to ISO 2878:2005, Method 7.2:

Test Date: 31/08/2010

Surface Measurement:
Ambient Temperature: 23.6 °C
Relative Humidity: 48.0 %

Test Equipment: Resistance Bridge, Megger BMD3, s/no. 713
Temperature Recorder, Tinyview, s/no. 106525
Humidity Recorder, Vaisala, s/no. U2510055
Vernier, Starrett, s/no. N036-22-1

TEST DATA:

Test Piece No.	Electrical Resistance (MΩ)
S7590 ER-1	23.3
S7590 ER-2	18.5
S7590 ER-3	57.7
S7590 ER-4	66.1
S7590 ER-5	21.2
Total	186.8
Average	37.4

Acceptance Criteria: MDG 3006 MTR8, Clause 3.2(c):

'Where the nominal electrical discharge path is between two surfaces (through resistance), the average of two resistance measurements shall not exceed 300 MΩ when tested to clause 7.2 or 7.3 of ISO 2878'

RESULT: Pass

COMMENTS: Contact solution used on sample S7590 ER-5 only