

Simtars
Engineering, Testing and Certification Centre

2 Smith Street, REDBANK, QLD 4301, Australia
Postal Address: PO Box 467, GOODNA, QLD, 4300 Australia

Phone +61 7 3810 6381
Fax +61 7 3810 6366

Test Report

AS1334.9-1982

**Determination of electrical resistance of
conveyor belting**

Report No: NE13/0037

Date of Issue: 26 August 2013

Job Number: 13/0075

Applicant/Customer Name: Richmond Wheel & Castor Co.
590 Clayton Road
CLAYTON SOUTH VIC 3169

Equipment Details: Richmond 95A AS Polyurethane

Acceptance Criteria: AS 4606-2012 Clause 6.2.4.1

Approved Signatory: 
J. Ellis



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Test Report No: NE13/0037

1.0 Description of Material

The Richmond 95A AS Polyurethane was tested by Simtars as supplied by Richmond Wheel & Castor Co. The test samples were a homogenous mix of Erapol EHP95A with proprietary additives. The samples were red in colour with a degree of flexibility.



2.0 Test Specification

Samples of the Richmond 95A AS Polyurethane were tested for electrical resistance in accordance with AS 1334.9-1982 using the acceptance criteria specified in AS 4606-2012 Clause 6.2.4.1 and as prescribed in clause 3.3.1.3 of MDG 3608 (2012).

3.0 Test Results: Electrical Resistance

The samples were preconditioned for a minimum of 24 hours at 19.5 ± 5 °C and a relative humidity of 65 ± 2 %.

The Richmond 95A AS Polyurethane when tested in accordance with AS 1334.9-1982 displayed the following electrical resistance properties.

Sample Number / Simtars SID	Location	Test ambient temperature/ humidity	Voltage Applied (Vdc)	Measured Value (M Ω)	
1 / 1307E2	Side 1	19.1 °C / 65 % RH	1008	38.4	
	Side 2		1007	40.6	
2 / 1307E3	Side 1		1010	84.5	
	Side 2		1008	58.4	
3 / 1305C7	Side 1		20.2 °C / 64.7% RH	1010	56.0
	Side 2			1010	75.6
4 / 1305C8	Side 1	1008		55.2	
	Side 2	1009		69.2	
5 / 1305C9	Side 1	1007		47.6	
	Side 2	1006		43.3	
Average resistance value for Side 1:				56.34	
Average resistance value for Side 2:				57.42	



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4.0 Summary of Test Results

The Richmond 95A AS Polyurethane when tested for electrical resistance in accordance with AS 1334.9-1982 measured an average electrical resistance for side 1 and side 2 of the material of less than 300 MΩ which complies with the acceptance criteria specified in AS 4606-2012 Clause 6.2.4.1.



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