



Valid until 18 November 2010
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As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.



ISO/ IEC: 17025
TL 004- 03

Schedule of Accreditation

Accreditation Scheme for Testing Laboratories
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: TL 004 – 03

Materials Laboratory
Industrial Technology Institute
No.363, Baudhaloka Mawatha
Colombo 07

Scope of Accreditation: Performing Mechanical Testing on Products Categories of Rubber Products and Ceramic & Porcelain Ware as per the Test Methods appearing in this schedule.

The laboratory is accredited for the following tests.

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±)
01	Rubber Products	Shore A Hardness	ISO 7619-1 : 2001 BS 903 A 26:1995	40 – 89 shore A	1.84 %
		IRHD Hardness	ISO 48 : 2007 BS 903 A 57: 1997	30 – 85 IRHD	1.87 %
		Heat Aging	ISO 188 : 2007 BS 903 A 19 :1998	Method B 23 °C ± 1°C,70 °C ± 1°C 85 °C ± 1°C,100 °C ± 1°C	0.003 %
		Stress Relaxation	ISO 3384 : 2005 BS 903 A 42 : 1999	Method A & B , Cylindrical disc 25 % Compression	1.7 %
		Density	ISO 2781 : 1988 BS 903 A 1 : 1996	Method & only	0.02 %

SI NO.	Product(s) / Material of test	Specific tests performed	Test Method / Standard against which tests are performed	Range of testing/ Limits of detection	Uncertainty (±)
01	Rubber Products	Compression	ISO 815 : 1991 BS 903 A 6 : 1992	Type B, 25 % Compression 23 °C ± 1°C, 70 °C ± 1°C 85 °C ± 1°C, 100 °C ± 1°C	1.94 %
		Abrasion	ISO 4649 : 2002 BS 903 A 9 : 1988 DIN 53516: 1987	Cylindrical Test Piece Non rotating, Vertical load 10 ± 0.2 N	1.23 %
		Tensile Test	ISO 37 : 2005 BS 903 A 2 : 1995	10 n to 500 N Dumb –bell, 500mm/min	2.81 %
		Tensile Properties (Elongation)	ISO 37 : 2005 BS 903 A 2 : 1995	1 % to 1000 % 500 mm / min	3.02 %
		Dimension	ISO 23529 : 2004	Method A Dimensions Up to 30 mm	0.08 %
02	Ceramic and Porcelain ware	Lead	SLS 1222: 2001 ISO 6486 : 1999	0.5 – 20 mg / l	6 %
		Cadmium	SLS 1222: 2001 ISO 6486 : 1999	0.05 – 1.8 mg / l	6 %