

Laboratory **Research & Testing Laboratory, Zenith Industrial Rubber Products Pvt. Ltd., Plot No. C15, C16, C17, Phase 1, MIDC, Dombivali, Thane, Maharashtra**

Accreditation Standard **ISO/IEC 17025: 2005**

Certificate Number **TC-6746**

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Validity **12.01.2018 to 11.01.2020**

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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MECHANICAL TESTING

I.	RUBBER AND RUBBER PRODUCTS			
1.	Rubber & Rubber Products (Natural Rubber & Products.) (Synthetic Rubber & Products)	Tensile Strength & Modulus	ASTM D 412 – 06a (Reapproved 2013) IS-3400 (Part- I) -2012 BS ISO 37 -2011	10 to 400 kg/cm ²
		Elongation at break	ASTM D 412 – 06a (Reapproved 2013) IS-3400 (Part- I) -2012 BS ISO 37-2011	10 to 1200%
		Tear Strength	ASTM D 624 – 00 (Reapproved 2012) IS-3400 (Part- XVII) -2003 BS ISO 34 – 1-2010	10 to 150 kg/cm
		Hardness	ASTM D 2240 – 05 (Reapproved 2010) IS 3400 (Part II) -2002 BS ISO 7619-2010	30 to 95 Shore A
		Specific gravity	ASTM D 792 – 08 (Reapproved 2008) IS 3400 (Part IV) -2003 BS ISO 2781-A1-2010	0.40 to 2.8
		Rheometric Test	ASTM D 2084 – 07-2010 IS 3400 (Part II) - 2013 BS 903 – A 60-2000	0.1 °C to 200 °C 0.0 dN-m to 113 dN-m [0.01 lb-in to 100 lb-in]
		Scorch Safety, ts2		0.5 to 8.0 min
		Optimum Cure Time, tc90		1.0 to 20 min
		Minimum Torque, ML		0 to 22.6 dN-m
Maximum Torque, MH		22.6 to 69.5 dN-m		

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