

Laboratory

Apollo Tyres Limited, Indoor Tyre Test Centre, B-25, SIPCOT Industrial Growth Centre, Sriperumbudur-Singaperumal Koil State Highway, Oragadam, Kanchipuram, Tamil Nadu

Location 1: Indoor Tyre Test Centre, B-25, SIPCOT Industrial Growth Centre, Sriperumbudur-Singaperumal Koil State Highway, Oragadam, Kanchipuram, Tamil Nadu

Location 2: R&D Tyre Test Centre, B-25, SIPCOT Industrial Growth Centre, Sriperumbudur-Singaperumal Koil State Highway, Oragadam, Kanchipuram, Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-6719

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Validity 23.11.2018 to 22.11.2020

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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

Location 1				
I.	AUTOMOTIVE COMPONENTS			
1.	Pneumatic Tyres for Passenger cars	Section Width	IS 15633:2005	120 mm to 300 mm
		Outer Diameter	(clause 4.1 & 4.5)	450 mm to 900 mm
		Tread Wear Indicators	Amend.4 June 2017	1.0 mm to 2.2 mm
		Non-skid depth	ECE-R30 Rev.3 Amend.3-2007 (clause 6.1.3), SNI 0098 : 2012 (clause 6.1) PNS 25:1994 (clause 5.2.1) TZS 618:1999 (clause 9.2) GSO 53 (Part III): 2007 (clause 4) In Metro Regulation nr. 544, October 2012(attachment to the In metro regulation NR.165/2008, Clause 6.1) FMVSS No.139, TP-139-03 Mar 6, 2007 (clause 12.3) IND/VEH/2079:2018 (clause 7.7)	5 mm to 25 mm

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		Endurance test	IS 15633:2005 (clause 4.3) Amend.4 June 2017 SNI 0098 : 2012 (clause 6.5) PNS 25:1994(clause 7.4) TZS 618:1999 (clause 9.5) FMVSS No.139, TP-139-03 Mar 6, 2007 (clause 12.6) GSO 53 (Part III): 2007(clause 8) IND/VEH/2079:2018 (clause 7.8)	Qualitative Test Speed-Range: 80 km/h to 350 km/h Load-Range: 250 kg to 4500 kg
		Load speed test	IS 15633:2005 (clause 4.2) Amend.4 June 2017 ECE-R30 Rev.3 Amend.3-2007(clause 6.2) SNI 0098 : 2012 (clause 6.7) PNS 25:1994(clause 7.5) TZS 618:1999 (clause 9.6) InMetro Regulation nr. 544, October 2012(attachment to the Inmetro regulation nr.165/2008, Clause 6.2) FMVSS No.139, TP-139-03 Mar 6, 2007 (clause 12.8)	Qualitative Test Speed-Range: 80 km/h to 350 km/h Load-Range: 250 kg to 4500 kg

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			GSO 53 (Part III): 2007(clause 9) IND/VEH/2079:2018 (clause 7.9)	
		Tyre strength (plunger test)	IS 15633:2005 (clause 4.6) Amend.4 June 2017 SNI 0098 : 2012 (clause 4.5) PNS 25:1994 (clause 5.2.3) TZS 618:1999 (clause 9.4) FMVSS No.139, TP-139-03 Mar 6, 2007 (clause 12.5) GSO 53 (Part III): 2007(clause 7) IND/VEH/2079:2018 (clause 7.10)	Qualitative Test 1300 kgf.cm to 8000 kgf.cm (Tyre Outer Diameter : 485 mm to 1600 mm)
		Bead Unseating Resistance Test for Tubeless tyres	IS 15633:2005 (clause 4.4) Amend.4 June 2017 SNI 0098 : 2012 (clause 6.3) PNS 25:1994 (clause 7.2) TZS 618:1999 (clause 9.3) FMVSS No.139, TP-139-03 Mar 6, 2007 (clause 12.4) GSO 53 (Part III): 2007(clause 10)	Qualitative test 500 kgf to 1800 kgf (Bead Diameter: 10"-19")

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			IND/VEH/2079:2018 (clause 7.12)	
		Rolling Resistance Test	ISO 28580:2009 Torque method (clause 4.b) ECE R117 Rev 4, (Annex 6) In Metro Regulation nr. 544, October 2012 (Attachment B)	Drum Dia. 2.0 m Speed: 160 km/h Load: 20000 N Torque: 300 Nm
2.	Pneumatic Tyres for Light CV, Trucks and Buses	Section Width	IS 15636:2012 (clause 4.1 & 4.4)	200 mm to 450 mm
		Outer Diameter	Amend.3 June 2017	450 mm to 1500 mm
		Tread Wear Indicators	ECE-R54 Rev 3 Amend.4-2018(Annex6)	1.0 mm to 2.2 mm
		Non-skid depth	ECE-R54 Rev 3 Amend.4-2018(Annex6) SNI 0099 : 2012(clause 6) SNI 0100 : 2012 (clause 6) PNS 25:1994(clause 5.2.1) TZS 617:1999 for T&B GSO 646 (Part II): 1996(clause 3) In Metro Regulation nr. 544, October 2012 (attachment to the In metro regulation nr.205/2008, Clause 6.1) FMVSS No.139, TP-139-03 March 6, 2007(clause 12.3) IND/VEH/2079:2018 (clause 7.7)	5 mm to 25 mm

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		Endurance test	IS 15636:2012 (clause 4.2) Amend.3 June 2017, ECE-R54 Rev 3 Amend.4-2018,(Annex7) SNI 0099 : 2012 (clause 6.4) SNI 0100 : 2012 (clause 6.4) PNS 25:1994 (clause 7.4) GSO 646 (Part II): 1996 (clause 5) FMVSS No.139, TP-139-03 March 6, 2007(clause 12.6) In Metro Regulation nr. 544, October 2012 (attachment to the In metro regulation nr.205/2008, Clause 6.2 attachment #2 step 4) IND/VEH/2079:2018 (clause 7.8)	Qualitative Test Speed-Range: 40 km/h to 200 km/h Load-Range: 250 kg to 8000 kg
		Load speed Test	IS 15636:2012 (clause 4.3) Amend.3 June 2017 ECE-R54 Rev 3 Amend.4-2018 (Annex 7) SNI 0100 : 2012 (clause 6.5) PNS 25:1994 (clause 7.5)	Qualitative Test Speed-Range: 80 km/h to 350 km/h Load-Range: 250 kg to 4500 kg

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			GSO 646 (Part II): 1996 FMVSS No.139, TP-139-03 March 6, 2007(clause 12.8) In Metro Regulation nr. 544, October 2012 (attachment to the In metro regulation nr.205/2008, Clause 6.2 attachment #2 step 3) IND/VEH/2079:2018 (clause 7.9)	
		Tyre strength Test (Plunger test)	IS 15636:2012 (clause 4.5) Amend.3 June 2017 SNI 0099 : 2012 (clause 6.3) SNI 0100 : 2012 (clause 6.3) PNS 25:1994(clause 7.3) GSO 646 (Part II): 1996(clause 4) FMVSS No.139, TP-139-03 March 6, 2007(clause 12.5) IND/VEH/2079:2018 (clause 7.10)	Qualitative Test 1300 kgf.cm to 80000 kgf.cm (Tyre Outer Diameter : 485mm to 1600 mm)

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MECHANICAL TESTING

Location 2				
I.	AUTOMOTIVE COMPONENTS			
1.	Pneumatic Tyres for two & three wheeler tyres	Section Width	IS 15627:2005 (clause 4.1.1.1& 4.1.1.2 & 4.6) Amend no 03 June 2017 ECE R75 (Clause 6.1.3 as per Annex 6) Rev 2, Amend-4 FMVSS-119 (Clause S5.1 & S6.4)	55 mm to 200 mm
		Outer Diameter		380 mm to 692 mm
		Tread Wear Indicators		0.8 mm to 1.4 mm
		Non-skid depth		4.5 mm to 10 mm
2.	Pneumatic Tyres for Passenger cars	Section Width	IS 15633:2005 (clause 4.1.1.1, 4.1.1.2 & 4.5) Amend.4 June 2017 ECE R30 (Clause 6.1.3 as per Annex 6) Rev 3. Amend 5-Apr 2018 FMVSS139 (Clause S5.1 & S6.4)	102 mm to 300 mm
		Outer Diameter		450 mm to 900 mm
		Tread Wear Indicators		1.6 mm to 2.2 mm
		Non-skid depth		5 mm to 25 mm

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3.	Pneumatic Tyres for Light CV, Trucks and Buses	Section Width	IS 15636:2012 (clause 4.1.1.1, 4.1.12 & 4.4.3) Amend.3 June 2017 ECE-R54(Clause 6.1.3 as per Annex 6) Rev 3 Amend.4-April 2018 FMVSS-119 (Clause S5.1 & S6.4)	141 mm to 450 mm
		Outer Diameter		450 mm to 1500 mm
		Tread Wear Indicators		1.6 mm to 2.2 mm
		Non-skid depth		5 mm to 25 mm
		Rolling Resistance Test	ISO 28580:2009 Torque method (clause 4.b) ECE R117 Rev 4, Amend-Feb 2017 (Annex 6) GSO ECE 117:2016 (Annex 6) SASO 2857:2015 (Clause 2.4) In-metro regulation No.544:2012 (clause 6.2)	Drum Dia. 2.0 m Speed: 160 km/h Load: 60000 N Torque: 300 Nm
4.	Pneumatic Tyres for Off-highway and agricultural tyres	Section Width	ECE R106.Rev 2.Amend 4 (Clause 6.1 & 6.2)	110mm to 775 mm
		Outer diameter		410 mm to 1827 mm