

Laboratory **Material Testing Laboratory, Adient India Pvt. Ltd., 235/245, Hingewadi, Taluka Mulshi, Pune, Maharashtra**

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

Certificate Number **TC-5197**

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Validity **06.08.2018 to 05.08.2020**

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.	AUTOMOTIVE COMPONENTS			
1.	Front Seat Cushion (FSC)	Abrasion Test (Ingress Egress Test)	IND-LOS-WI-20-08-E Issue No. 01, Issue Date 28.02.2017	Force: 10 N to 1000 N
2.	Front Seat Cushion (FSC) Front Seat Back (FSB) Rear Seat Back (RSB) Rear Seat Cushion (RSC)	Fatigue Test	IND-LOS-WI-20-09-E Issue No. 01, Issue Date 28.02.2017	Force: 100 N to 1000 N/ Occupant
3.	Front & Rear Seat Complete Assly	H-Point Measurement, (Angle & Co-ordinates)	ECE Regulation No.25:1999 IS 13749:2000	H-Point 1 m Sphere
4.	Powder Coated Frame, Brackets, Head rest Rod	Salt Spray Testing	ASTM B117:2011 IS 9844:1981	Volume: 1000 L Temp. 50°C Pressure: 1 Bar to 6 Bar
5.	Assly Front Seat	BSR Test	IND-LOS-WI-20-05-E Issue No. 02, Issue Date 15.06.2017	Frequency range 5 Hz to 150 Hz. Amplitude up to 38 mm
6.	Fabric Sample	Abrasion Test (Martindale)	ASTM D4966-12 ISO 12947:2007	Force: 1 kPa to 15 kPa
7.	Polyurethane Foam	Hardness	ISO 2439:2008	50 N to 4500 N
		Core Density & Overall Density	ASTM D3574: 2011	0.1 kg/m ³ to 100 kg/m ³
		Tensile Strength & Break Elongation	ISO 1798: 2008	0.1 kgf/cm ² to 20 kgf/cm ² 1 % to 200 %
		Tear Strength	JIS K6252 (Part 1 & Part 2)	0.1 kgf/cm to 20 kgf/cm 1 % to 200 %
		Resilience	ISO 8307: 2007	1 % to 100 %

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		Compression Set	ISO 1856: 2000 (Amd. 1:2007)	1 % to 75 %
8.	Polyurethane Foam and Fabric Samples	Flammability Test	FMVSS 302: 1998 (US Federal regulation) IS 15061: 2002	Burn rate Upto 120 mm/min