
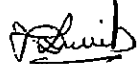
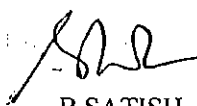


PERFORMANCE TEST REPORT

Page 1 of 2

1. Test Report No.	: AML/2008-11/MFR /CM/3791/507	19.11.2008
2. OC No.	: 3791	
3. Customer's Name	: Alpha Foam Limited	
4. Customer's Address	: J-172 MIDC Bhosari, Pune 411 026	
5. Letter reference and date	: Letter dated 01/11/2008	
6. Kind Attention	: Mr. S . D. Hole	
7. Service requirements	: Testing of Plastic Part for flammability as per; FMVSS 302-2008.	
8. No. of Samples	: 01	
9. No. of pages	: 02 Nos.	
10. Test Compiled By	:	
		
		 V. G. KENJALE SR. CHEMIST
11. Test Report Verified By		 B. SATISH SR. PROJECT ENGINEER
Place of Issue: PUNE		Date of Issue: 19.11.2008
DISCLAIMER:		
<p>This test report pertains only to the components / parts / assemblies / vehicles etc. actually tested at ARAI in the presented condition based on the documents / information produced / submitted by the customer. The issuance of this test report alone does not indicate any measure of approval, certification, supervision, control of quality surveillance by ARAI of the product. No extract, abridgement or abstraction from this test report shall be published or used to advertise the product without the written consent of the Director, ARAI, who reserves the absolute right to agree or reject all or any of the details of any items of publicity for which consent may be sought. ARAI is in no way responsible for any misuse of copying of any design / type / system in connection with entire vehicle / components / parts and assemblies. Breach of any statutory provision of Indian laws or laws of other countries, will be the sole responsibility of the customer and ARAI shall not be liable for any claims or damages, made by the party, whatsoever, the customer shall alone be liable for the same, and undertakes to indemnify ARAI in this regard. Further, the ARAI has the right to initiate cancellation / withdrawal of the certificate issued, in case of any fraud, misrepresentation, when it surfaces and comes in the knowledge of ARAI. The appropriate local courts at Pune shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.</p>		

AML/2008-11/MFR/CM/3791/507
OC No. 3791

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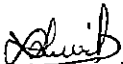
Name of the Customer: Alpha Foam Limited
Reference: Letter dated 01/11/2008
Service requirements: Testing of Foam sample for flammability as per; FMVSS 302-2008.
Component Name: Plastic Part black in colour and with 3.24 mm thickness
Part No.: 2845
Material Mgf. Name: ABS Bayer
Type of material: ABS
Material Grade: DP 03
Material used for: Winger Model of M/s Tata Motors
Sample preparation: Submitted sample is cut to 145 mm x 102 mm flat sheet and tested.

Observation Table:

Sr. No.	Test Description	Acceptance Criteria	Observation
			Plastic Part black in colour Part No. 2845
1.	Horizontal Burning Rate, mm/minute as per; FMVSS 302: 2008	<p>a) The material shall not burn, nor transmit a flame front cross its surface, at a rate of more than 102 mm per minute or</p> <p>b) The material stops burning before it has burned for 60 seconds from the start of timing, and has not burned more than 51 mm from the point where the timing was started, it shall be considered to meet the burn-rate requirement of a)</p>	15.60
2	Conclusion	Plastic Part black in colour Part No. 2845 sample meets the acceptance criteria when tested as per; FMVSS 302: 2008.	

As per customer's mail dated 21.October dated the same ABS material is used to manufacture the following part numbers namely, 2845 81406301, 2845 81406302, 2845 81406303, 2845 81406304 and 2845 81406305

TEST REPORT COMPILED BY


V. G. KENJALE
SR. CHEMIST



TEST REPORT VERIFIED BY


B.SATISH
SR.PROJECT ENGINEER