



# NATIONAL TESTING LABORATORY PVT. LTD.

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F.No. FO1 (5.10)

Issued to:  
M/s Rust-X  
Unit 3: Adjacent Airport Ludhiana.

## TEST-REPORT

Report No. : 160112GEN173428  
Report Date : 28/01/2016  
Your Ref.No. : NIL

Date of Receipt : 12/01/2016

Sample Description : Aluminium Foil  
Name of Work : Nil

S.No.	Test	Units	Clause No.	Test Method	Result	Requirement MIL-PRF-131J (Class-2)	Conformity
1	Seam Strength		CL. 4.6.2	MIL-PRF-131J			Yes
	1. Received Material Sealed & Tested						
	a) At room temp. (Separation-inches)				No Separation	No Separation	
	b) At 100 dig. F ± 2 dig. F (Separation-inches)	Inches			No Separation	1/4 Max.	
	c) At 160 dig. F (Separation inches)	Inches			No Separation	1/4 Max.	
	2. Sealed Before Ageing (at 160 dig. F for 12 days)						
	a) At room temp. (Separation-inches)				No Separation	No Separation	
	b) At 100 dig. F ± 2 dig. F (Separation-inches)	Inches			No Separation	1/4 Max.	
	c) At 160 dig. F (Separation inches)	Inches			0.10	1/4 Max.	
	3. Sealed After Ageing (at 160 dig. F for 12 days)						
	a.) At room temp. (Separation-inches)				No Separation	No Separation	
	b.) At 100 dig. F ± 2 dig. F (Separation-inches)	Inches			No Separation	1/4 Max.	
	c.) At 160 dig. F (Separation inches)	Inches			0.12	1/4 Max.	



B. N. JHA  
Lab Incharge

Authorised Signatory

Lab Incharge

- The results listed refer only to tested samples and applicable parameters. Endorsement of product is neither inferred nor implied.
- Total liability of our Lab is limited to the invoiced amount.
- Samples will be destroyed after 90 days from the date of test report unless otherwise specified.
- This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of Law and should not be used in any advertising media without our special permission in writing
- Report refer to the sample submitted to us and not drawn by us unless mentioned otherwise.





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						MIL-PRF-131J (Class-2)	
2	Water Vapor Transmission Rate (WVTR)		CL. 4.6.1	FED-STD-101 (Method-2017 & 3030)			Yes
	1. After room temp. flexining						
	a) As Received	g/100 Sq. inch/24 hrs.			Nil	0.02 Max.	
	b) Aged (at 100 ± 2 dig. F and 90 to 95 % for 8 hrs. & 16 hrs in Oven A + 160 ± 2 dig. F	g/100 Sq. inch/24 hrs.			Nil	0.02 Max.	
3	Breaking Strength		CL. 4.6.1	FED-STD-191 (Method 5100)			Yes
	a) As received (Weakest direction)	lb/inch			30.5	25.0 Min.	
	b) After ageing (weakest direction) at 160 ± 2 dig. F & 80 to 85 % RH for ± 72 hrs.	lb/inch			28.0	25.0 Min.	
4	Aging Resistance		CL. 4.6.4	MIL-PRF-1315	Passes the test	No Delamination	Yes
5	Blocking Resistance		CL. 4.6.1	FED-STD-101 (Method-3003)	Passes the test	No blocking delamination or rupture.	Yes
6	Resistance to curl	%	CL. 4.6.1	FED-STD-101 (Method-2015)	4	No curl in excess of 5% or curl back	Yes
7	Contact Corrosivity		CL. 4.6.1	FED-STD-101 (Method-3005)	Passes the test	No corrosion etching or pitting.	Yes
8	Oil Resistance		CL. 4.6.1	FED-STD-101 (Method-3015)	Passes the test	No leakage, Swelling delamination or embrittlement	Yes
9	Water Resistance		CL. 4.6.1	FED-STD-101 (Method-3028)	Passes the test	No Delamination	Yes
10	Water Resistance of marking		CL. 4.6.1	FED-STD-101 (Method-3027)	Passes the test	Marking on back of sheet shall be clear and legible.	Yes



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