



# SANDHYAFLEX

ISO 9001:2015 certified company

## PRE-TEST REPORT

Name of the Consignee 0  
 Address 0  
 Purchase order & Date Draft, 15.01.2025  
 Description 0  
 Rubber Hose Size 3"(75mm),4"(100mm),5"(125mm),6"(150mm)ID

Testing Standard : IS:13071-1991 Specification.

S. No	Tests	IS:3459-1983 pecification Clause Number Type 3	Permissible Limits as per IS: 3459-1983 Specification	Relevant Code for Testing Procedure/Method	Results
1	<b>Physical Properties - Lining Before Ageing</b>				
	Tensile Strength	Table 2 Cl.4.5.1	10.0 MPa (Min)	IS : 3400 (Part I)	12.25
	Elongation at Break	Table 2 Cl.4.5.1	400% (Min)	IS : 3400 (Part I)	450%
2	<b>Physical Properties - Cover Before Ageing</b>				
	Tensile Strength	Table 2 Cl.4.5.1	10.0 MPa (Min)	IS : 3400 (Part I)	12.65
	Elongation at Break	Table 2 Cl.4.5.1	400% (Min)	IS : 3400 (Part I)	460%
3	<b>Physical Properties - Lining After Ageing @ 72h at 70 ± 1° C</b>				
	Change in Tensile Strength %	Table 2 Cl.4.5.1	+25 % ( max)	IS : 3400 (Part IV)	-12.25%
	Change in Elongation at Break in %	Table 2 Cl.4.5.1	+10 / -30 % ( max)	IS : 3400 (Part IV)	-14.20%
4	<b>Physical Properties - Cover After Ageing @ 72h at 100 ± 1° C</b>				
	Change in Tensile Strength	Table 2 Cl.4.5.1	+25 % ( max)	IS : 3400 (Part IV)	-12.23
	Change in Elongation at Break in %	Table 2 Cl.4.5.1	+10 / -30 % ( max)	IS : 3400 (Part IV)	-13%
5	<b>Adhesion Stregth</b>	Cl 4.6.1	4.5kg min	IS : 3400 Part 5	Tested & found ok
5	<b>Vaccune Test</b>	Cl 4.6.5	500mm	IS : 443	Tested & found ok
6	<b>Dimension of Hose</b>				
	Lining Thickness	Cl.4.2.2	6.30mm(min)	IS:3549-1983	6.30mm
	Filler Thickness	Cl.4.2.2	2.50mm(min)	IS:3549-1983	2.5mm
	Cover Thickness	Cl.4.2.2	2.50mm(min)	IS:3549-1983	2.50mm
	ID of Hose	Cl.4.2.2	125mm±2.5mm	IS:3549-1983	<b>125mm</b>
	Length of Hose	Cl.4.2.2	+1 % Max	IS:3549-1983	
7	<b>Male Female Coupling as per IS:902</b>				
8	<b>Hydrostatic tests</b>				
	Working Pressure	Table:4.6.6	0.7 to 1.0MPa	IS: 7654-1987	Tested & found ok
	Proof Pressure	Table:4.6.6	1.4 to 2.0Mpa	IS: 7654-1987	Tested & found ok
	Brust Pressure	Table:4.6.6	2.8 to 4.0MPa	IS: 7654-1987	Tested & found ok

The above tests are carried out on specially moulded test pieces as per IS:13071-1991 Specification specification and found satisfactory.

for SANDHYAFLEX

Authorised Signatory