



SANDHYA ENTERPRISES

Plot No 5-24-1223/5/1, Ambedkar Nagar,
Gajuramaram,
Jeedimetla,500055, Hyderabad,Telangana State. India



Electrically Bonded Road & Rail Tanker Hose of Rubber
As Per 10733:1983

Application: This hose is primarily intended for loading and unloading of road and rail tanker vehicles, carrying petroleum products.

Construction:

- Lining** : Smooth lining of suitable rubber compounds; highly resistant to petroleum products.
- Reinforcement** : Plies of woven textile coated with rubber on both sides with a suitable rubber compound and helical GI wire embedded between the fabric plies.
- Cover** : Smooth or corrugated high grade rubber compound for excellent resistant to weather, abrasion and petroleum products.
- End Connections** : Soft ends for clamping or can be supplied with built in nipples/flanges on request.

Electrical Bonding : A Copper wire comprising the nos. of strands is incorporated between the reinforcement plies to provide electrical continuity throughout the hose.

Types: **Type 1A** - Rough bore hose, with internal and external helical wire reinforcement, corrugated outer cover and for a working pressure of 0.35 MPa & min. B.P. 1.4 MPa.

Type 1B - Smooth bore hose, with embedded helical wire reinforcement plain or corrugated outer cover and for a working pressure of 0.35 MPa & min. B.P. 1.4 MPa.

Type 2A - Rough bore hose, similar to type 1A but for a working pressure of 0.7 MPa & min. B.P. 2.8 MPa.

Type 2B - Smooth bore hose, similar to type 1B but for a working pressure of 0.7 MPa & min. B.P. 2.8 MPa.

Type 3 - Smooth bore reeling hose without helical wire reinforcement for a working pressure of 1.0 MPa & min. B.P. 4.0 MPa.

Nom. Bore Size in (mm)	Tolerance on Nom. bore (mm)	Min. Bending Radius in mm			Max. mass per metre of Hose for type Kg/m					For all types	
		1A & 1B	2A & 2B	3	1A	1B	2A	2B	3	Min. thk. of Lining mm	Min. thk. of cover mm
25.0	±1.25	-	-	190	-	-	-	-	1.28	2.00	1.25
31.5	±1.50	130	190	230	1.05	1.35	1.80	1.95	1.65	2.00	1.25
38.00	±1.50	155	230	280	1.35	1.65	2.10	2.40	1.88	2.00	1.25
50.00	±1.50	205	305	360	1.88	2.25	2.78	3.00	2.25	2.00	1.25
63.00	±1.50	255	380	-	2.25	3.00	3.68	4.13	-	2.00	1.25
75.00	±2.50	305	460	-	3.00	3.75	5.00	5.25	-	2.00	1.25
100.00	±3.00	410	560	-	4.13	4.80	6.75	8.25	-	2.00	1.25

W.P. : Working Pressure, P.P. : Proof Pressure, B.P. : Burst Pressure, 1MPa : 10.2Kgf/Cm² 1Kgf/Cm² : 100KN/m²

Length : Mandrel made hose upto 20 mtr., Moulded braided hose in continuous long length.