

CHEMICAL LOADING & UN-LOADING HOSE

SPECIFICATION FOR CHEMICAL LOADING & UN-LOADING HOSE			MANUFACTURERS SPECIFICATION				
SCOPE	KANTA SYSTEM of Chemical loading & un-loading Hose is intended for loading & un-loading of chemicals from storage tank into lorry tanker or Railway wagon vice versa, at maximum of 7 Kg/cm ² pressure (100 psi)						
MATERIAL	Inner tube		The smooth rubber lining is made out of blended S.R compound, suitable for the conveying media.				
HOSE CONSTRUCTION	Reinforcement		Synthetic textile woven fabric plies with G.I. wire helices embedded in layers of plies.				
<ul style="list-style-type: none"> • RUBBER LINING • REINFORCEMENT • WIRE HELIX • FILLER COMPOUND • REINFORCEMENT • OUTER COVER 	Outer cover		A rubber cover made out of blended synthetic rubber resistant to weather and ageing coated over the reinforcement plies, compressed by woven textile fabric. The cover will be either smooth or corrugated finish.				
DIMENSION	NOMINAL BORE (I.D.)		TOLERANCE ON I.D.		THICKNESS (MINM)		BEND RADIUS
	INCH	M.M	M.M		LINING	COVER	
***** HOSE CAN BE MADE WITH BUILT-IN (INTEGRAL) VULCANIZED RUBBER LINED END FLANGES *****	1.50	38.0	+/-	1.50	2.00	1.25	160
	2.00	50.0	+/-	1.50	2.00	1.25	250
	2.50	63.0	+/-	1.50	2.00	1.25	400
	3.00	75.0	+/-	2.50	2.00	1.25	650
	4.00	100	+/-	3.00	2.00	1.25	1250
	5.00	125	+/-	3.00	2.00	1.25	1600
	6.00	150	+/-	3.00	2.00	1.25	1850
	PHYSICAL PARAMETERS	TENSILE STRENGTH (MINM)			ELONGATION (MINM)		
	Before Ageing		After Ageing		Before Ageing		After Ageing
Inner tube/ Lining	7.00 Mpa		+/- 25%		250%		+ 10% to - 45%
Outer cover	7.00 Mpa		+/- 25%		300%		+ 10% to - 45%
ADHESION STRENGTH BETWEEN HOSE COMPONENTS			Not less than 2 kPa (4.5kgf)				
VACUUM RESISTANCE			83 kPa (500 mm of Mercury)				
PRESSURE RATINGS: -							
Recommended operating pressure			7 KSC, depends on type of the hose				
Minimum Bursting Pressure			4.0 times of the operating pressure				
Hose is guaranteed for the period of 12months from the date of manufacturing or 9months from the date of commissioning whichever is earlier, against manufacturing defects for operational requirement only. Warrantee also limits to replacement only, for the defective quantity after our evaluation. Due to our continuous research the given data can be modified without any prior notice for development.							