

CHEMICAL DISCHARGING HOSE

SPECIFICATION FOR Chemical Discharging Hose	IS: 7654 - 1987						
SCOPE	KANTA SYSTEM of Chemical discharging hose is intended for discharging the chemicals such as mineral acids, alkalis, and aqueous solutions of inorganic salts at the maximum pressure of 1Mpa						
MATERIAL	Inner tube		Extruded inner tube is made out of suitable rubber compound, to resistance to the conveying chemicals				
	Reinforcement		Synthetic fibre braided yarns				
	Outer cover		A rubber cover made out of Isoprene-natural, coated over the reinforcement, Compressed by woven textile fabric				
DIMENSION	NOMINAL BORE (I.D.)		TOLERANCE ON I.D.		THICKNESS (MINM)		MAXIMUM LENGTH
					LININ G	COVER	
	Inch	M.M	M.M		M.M	M.M	METER
	1/2	12.50	+/-	0.75	1.50	1.00	200.00
	5/8	16.00	+/-	0.75	1.50	1.00	150.00
	3/4	20.00	+/-	1.00	1.50	1.00	150.00
	1	25.00	+/-	1.25	2.00	1.00	100.00
	1.1/4	31.50	+/-	1.25	2.00	1.00	075.00
	1.1/2	38.00	+/-	1.50	2.00	1.00	075.00
2	50.00	+/-	1.50	2.50	1.00	040.00	
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 30%
Outer cover	7.00 Mpa		+/-	25%	300%	+	10% to 30%
ADHESION STRENGTH BETWEEN: -							
Inner lining & reinforcement yarn					Not Less than 1.5kN/m		
Reinforcement plies					Not Less than 1.5kN/m		
Reinforcement & outer cover					Not Less than 1.5kN/m		
PRESSURE RATINGS: -							
Recommended operating pressure					1.00 Mpa		
Hydro test pressure					1.60 Mpa		
Minimum Bursting Pressure					3.15 Mpa		
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.							