

## EPDM RUBBER STEAM HOSE

<b>SPECIFICATION FOR EPDM RUBBER HOSE</b>			IS: 10655 – 1983 & IS: 10655 – 1999		BS: 5122 – 1986		ISO – 1634			
<b>SCOPE</b>			<b>KANTA SYSTEM of EPDM Rubber Steam hose</b> is intended for general steam/hot water service to clean oil, grease etc in Refineries, and clean the bacteria, fungus in food industries and curing in rethreading industries.							
<b>MATERIAL</b>			Inner tube		Extruded inner tube is made out of EPDM rubber compound, resist to heat & steam.					
			Reinforcement		Synthetic fibre yarns / steel wire braided					
			Outer cover		A weather resistant cover made out of Isoprene-synthetic rubber compound coated over the reinforcement, Compressed by woven textile fabric. It can be made with oil resistant compound.					
<b>DIMENSION &amp; TYPES</b>			<b>NOMINAL BORE (I.D.)</b>		<b>TOLERANCE ON I.D.</b>		<b>THICKNESS (MINM)</b>		<b>MAXIMUM LENGTH</b>	
							LININ G	COVER		
<b>Type</b>	<b>Working Pressure</b>	<b>Corresponding Temperature</b>	Inch	M.M	M.M		M.M	M.M	METER	
1	03 Kg/cm <sup>2</sup>	110 ° C	1/2	12.50	+/-	0.75	1.50	1.00	200.00	
2	05 Kg/cm <sup>2</sup>	130 ° C	3/4	20.00	+/-	1.00	1.50	1.00	150.00	
3	10 Kg/cm <sup>2</sup>	160 ° C	1	25.00	+/-	1.25	2.00	1.00	100.00	
4	16 Kg/cm <sup>2</sup>	220 ° C	1.1/4	31.50	+/-	1.25	2.00	1.00	075.00	
* Double Steel wires braiding are Provided as reinforcement for Type 4 hose			1.1/2	38.00	+/-	1.50	2.00	1.00	075.00	
			2	50.00	+/-	1.50	2.50	1.00	040.00	
			2.1/2	63.00	+/-	1.50	2.50	1.00	015.00	
<b>PHYSICAL PARAMETERS</b>			<b>TENSILE STRENGTH</b>				<b>ELONGATION</b>			
			Before Ageing (Minimum)		Lining after Steam treatment		Before Ageing		Lining after Steam treatment	
Inner tube/ Lining			9.00 Mpa		(-) 40%		250%		(-) 40%	
Outer cover			8.00 Mpa		Maximum.		300%		Maximum	
<b>ADHESION STRENGTH BETWEEN: -</b>										
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			
<b>PRESSURE RATINGS: -</b>										
Recommended operating pressure							Depends on type of the hose			
Hydro test pressure							5 times of the operating pressure			
Change in diameter & Length at proof pressure							+/- 15% & +/- 12% respectively			
Minimum Bursting Pressure							10 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.										