

NON-CONDUCTIVE HEAT RESISTANT RUBBER HOSE

SPECIFICATION FOR Non-conductive Rubber Hose	Manufacturers Specification & Testing Standard						
SCOPE	KANTA SYSTEM of Non-conductive (Carbon free) heat resistant rubber hoses are generally used in high temperature furnace, mostly in steel industries, as cable coolant application. The outer cover is protected from external temperature covered by asbestos woven fabric or asbestos braids.						
MATERIAL	Inner tube	Extruded inner tube is made out of synthetic carbon free, non-conductive rubber compound, resist to hot water.					
	Reinforcement	Woven synthetic textile fabric plies					
	Outer cover	A cover made out of Isoprene-synthetic rubber compound coated over the reinforcement, Compressed by woven textile fabric. Asbestos covering is an additional option for protection.					
DIMENSION	NOMINAL BORE (I.D.)		TOLERANCE ON I.D.		THICKNESS (MINM)		MAXIMUM LENGTH
					LININ	COVER	
					G		
	Inch	M.M	M.M		M.M	M.M	METER
	1/2	12.50	+/-	0.75	1.50	1.00	060.00
	5/8	16.00	+/-	0.75	1.50	1.00	060.00
	3/4	20.00	+/-	1.00	1.50	1.00	015.00
	1	25.00	+/-	1.25	2.00	1.00	015.00
	1.1/4	31.50	+/-	1.25	2.00	1.00	015.00
	1.1/2	38.00	+/-	1.50	2.00	1.00	015.00
	1.3/4	45.00	+/-	1.50	2.50	1.00	015.00
	2	50.00	+/-	1.50	2.50	1.00	015.00
	2.1/4	56.00	+/-	1.50	2.50	1.00	015.00
2.1/2	63.00	+/-	1.50	2.50	1.00	015.00	
2.3/4	70.00	+/-	2.00	2.50	1.00	015.00	
3	75.00	+/-	2.00	2.50	1.00	015.00	
PHYSICAL PARAMETERS	TENSILE STRENGTH (MINM)				ELONGATION (MINM)		
	Before Ageing		After Ageing		Before Ageing		After Ageing
Inner tube/ Lining	6.00 Mpa		+	10% to	300%		+
			-	35%			-
Outer cover	6.00 Mpa		+	10% to	300%		+
			-	35%			-
ADHESION STRENGTH (LOAD 4.5KGS) RATE OF SEPARATION BETWEEN: -							
Inner lining & reinforcement yarn					25mm / minute, Maximum		
Reinforcement plies					25mm / minute, Maximum		
Reinforcement & outer cover					25mm / minute, Maximum		
PRESSURE RATINGS: -							
Recommended operating pressure					7 kg/cm ² (100 PSI)		
Minimum Bursting Pressure					21.0 Kg/cm ²		
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.							