

GAS FLOW WELDING HOSE

SPECIFICATION FOR GAS WELDING HOSE	IS: 447 – 1988	BS: 5120 – 1987 Class A					
SCOPE	KANTA SYSTEM of Gas flow welding hose is intended for carrying the gases of Oxygen & other non-combustible gas in Blue/Black colour and Acetylene & Fuel gas in Red colour of 1.25 Mpa (12.75Kg/sq.cm) 180 psi at maximum of 60 degree C temperature.						
MATERIAL	Inner tube	Extruded inner tube is made out of Isoprene-natural rubber compound					
	Reinforcement	Synthetic fibre braided yarns					
	Outer cover	A rubber cover made out of Isoprene-natural rubber compound coated over the braids, 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	
	1/4	06.30	+/-	0.75	1.50	1.00	200.00
	5/16	08.00	+/-	0.75	1.50	1.00	200.00
	3/8	10.00	+/-	0.75	1.50	1.00	200.00
	1/2	12.50	+/-	0.75	1.50	1.50	200.00
PHYSICAL PARAMETERS	TENSILE STRENGTH (MINM)			ELONGATION (MINM)			
		Before Ageing	After Ageing	Before Ageing	After Ageing		
Inner tube/ Lining	5.00 Mpa	+/-	25%	200%	+	10% to 30%	
Outer cover	7.00 Mpa	+/-	25%	300%	+	10% to 30%	
ADHESION STRENGTH BETWEEN: -							
Inner lining & reinforcement yarn				Not Less than 1.5 kPa			
Reinforcement plies				Not Less than 1.5 kPa			
Reinforcement & outer cover				Not Less than 1.5 kPa			
PRESSURE RATINGS: -							
Recommended operating pressure				1.25 Mpa			
Hydro test pressure				2.50 Mpa			
Change in diameter & Length at proof pressure				+15, - 5 & +/- 12% respectively			
Minimum Bursting Pressure				5.00 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.							