



May 99

INDUSTRIAL-BB

SCOPE

QUALITY: Today's aggressive industrial environment requires specialized products and hose is no exception. It is essential that hoses used in such applications have excellent resistance to oil, fuels and a wide variety of chemicals. They should be hard wearing and also be resistant to heat, weathering, ozone and other environmental pollutants. They should be lightweight, and very flexible compared with the old fashioned mandrel built products.

HOSE CONSTRUCTION

A. TEXTILE REINFORCEMENT: The reinforcement shall be circular woven from high tenacity synthetic yarns to maintain flexibility but insure a very high strength to weight ratio. The filler yarn shall be specially twisted to achieve maximum strength.

B. LINING & COVER: The reinforcement shall be totally encapsulated in a matrix of special high grade synthetic black elastomer, compounded to achieve the optimal properties listed in the quality section. This matrix shall achieve optimal levels of adhesion to the reinforcement.

The cover shall be ribbed for good abrasion resistance and protection against contact heat sources.

Lining shall be smooth and free of imperfections to maximize water flow.

C. HOSE: Hose shall be resistant to mildew, mold, environmental pollutants, and most oil and chemicals.

Hose shall remain flexible down to -25°F

PHYSICAL PROPERTIES

PART #	HOSE SIZE (I.D.)	WALL (INCHES)	WEIGHT/FT (LBS)	WORKING PRESSURE
IN040	4" 102 mm	0.10	0.75	220 PSI 1500 kPa
IN060	6" 152mm	0.12	1.10	145 PSI 1000 kPa
IN080	8" 203mm	0.12	1.50	145 PSI 1000 kPa
IN100	10" 254mm	0.14	2.00	115 PSI 800 kPa

APPLICATION EXAMPLES

Construction
Water and Slurry Discharge
Emergency Water Supply
Irrigation and Drainage
General Agriculture
General Industrial