

Series 6000 Material Handling Hose

Series 6000 Key Features:

- Maximum Working pressure up to 150PSI, 3:1 safety factor
- Lengths up to 50'
- ID's from 3" to 36"
- 1/4" to 1" wear tube thickness
- High tensile spring steel wire reinforcement
- Fabricated steel nipple with welded retaining rings
- Welded flanges or grooved ends
- Continuous tube and gaskets form an integral sealing system, leaving no metal exposed to slurry
- Weather & ozone resistant neoprene cover
- Multiple layers of high tensile strength woven polyester cord fabricate



Options Available for the Series 6000

Flanges

- fixed or rotating
- ANSI
- Metric custom

Wear Tubes

- SBR
- Neoprene
- Natural Rubber
- Chlorobutyl

Configurations

- Reducing Sizes
- Corrugated
- Special outlets for drains, priming or pressure taps

Applications

- Most in-plant applications
- On the discharge or suction side of your pumps
- To replace rigid, multiple flanged fittings
- Anywhere you now use custom piping systems



Types of Rubber Used Depending on Applications

PHYSICAL PROPERETIES	Natural Rubber	SBR	NEO-PRENE	BUTYL
Durometer range	35-65	50-60	55-65	50-60
Tensile Strength, PSI	4000+	3000	3000	2000
Elongation %	≤700	500	≤800	≤600
Tear Resistance	Excellent	Good	Good	Fair
Abrasion Resistance	Excellent	Excellent	Good	Excellent
Flexibility	Excellent	Good	Good	Good
Rebound (cold)	Excellent	Fair	Very Good	Poor
Rebound (hot)	Excellent	Good	Very Good	Good

Why Townley Hose Instead of Pipe and Fittings

- Longer wear life
- lighter and more flexible
- Flexibility minimizes bolthole alignment problems
- It absorbs pump noise and vibrations
- It absorbs thermal expansion and contraction in the line
- Makes maintenance on bends & angles simple
- Can easily be rotated to extend wear life
- Eliminates the need for multiple flanged fittings, saving time & money
- Each hose can be custom built for your needs

CHEMICAL PROPERTIES

UV Ageing	Poor	Poor	Very Good	Very Good
Ozone Resistance	Poor	Poor	Excellent	Excellent
Acid Resistance (dilute)	Fair	Fair	Excellent	Poor
Oil & Gasoline	Poor	Poor	Good	Poor
Aliphatic Hydrocarbons	Poor	Poor	Good	Poor
Aromatic Hydrocarbons	Poor	Poor	Poor	Poor
Max Operating Temp °F	180°	180°	220°	220°

Always check with Applications Engineering before choosing elastomer

Ordering Information

- Call 1-800-342-9920 or email info@townley.net
- Ask for Series 6000
- Specify length and ID needed
- Specify flange, tube, end, or configuration options, if desired



1 (800) 342-9920

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