

Mining Flex 200 or 300 PSI Hose

Mining Flex Key Features:

- Standard working to 300 PSI, with a 3:1 safety factor
- Lengths up to 50'
- ID's from 3" to 36" (larger sizes available)
- 1/4" to 1 1/2" thick wear tube
- Multiple layers of high-strength woven polyester cord fabrics
- High tensile spring steel wire reinforcement
- Fabricated steel nipple with welded retaining rings & welded flanges or grooved ends
- Continuous tube & gaskets form an integral sealing system, leaving no metal exposed to slurry
- Weather & ozone-resistant cover



Applications

- Matrix & tailings lines where higher pressure ratings are required
- As a suction or discharge hose to matrix or tailings pumps to reduce wear, simplify maintenance, and improve hydraulic flow throughout the pump station
- Replace rigid, multiple flanged fittings
- Anywhere piping systems are present



Why Use Townley Hose Instead of Piping

- Outlasts steel pipe to 5:1
- Absorbs pump noise and vibrations
- Can be designed to accommodate thermal expansion and contraction in the pipeline
- Helps preserve the life of the pump & other pipeline components by absorbing hydraulic shock and vibrations
- Can be rotated to extend life wear life
- can be used to eliminates the need for multiple flanged fittings saving time & money

Types of Rubber Used Depending on Applications



PHYSICAL PROPERTIES	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

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, email info@townley.net
- Ask for Mining Flex
- Specify length and ID needed
- Specify flange, tube, end, or configuration options, if desired

Options Available for the Mining Flex

Wear Tubes

- Natural Rubber
- SBR
- Neoprene
- Butyl
- Special order rubbers available upon request

Ends

- Flanged
- Victaulic (lined or unlined)

Flanges

- 150lb/300lb
- Rotating
- Double-drilled
- All industry standard flanges available

Configurations

- Reducing sizes
- special outlets for drains, or priming