



TPU Layflat Hose Specification Sheet



MWHPOLYTW200-160 200 PSI W.P. -58° to 170° F (-50° to 77° C) POLYURETHAN

Part Number MWHPOLYTW200-XXX

TPU Layflat Hose

Designed for produced water/ fresh water transfer. Typically used for hydraulic fracture water transfer, to replace damaged hydrant lines, or to replace a broken water main. Manufactured with NSF standard 61 approved materials for use with potable water.

Construction Polyurethane Extruded Through the Weave and a Circular Polyester Woven Reinforcement. No use of glues or adhesives.

Safety Factor Minimum 2.25 to 1

Lining Properties

Ultimate Tensile Strength no less than 1200 psi

Ultimate Elongation when tested to UL-19 guidelines a small dumbbell sample of lining elongates a minimum of 400%

Resistance

Abrasion 25mm³ on DIN 53516/ISO4649 testing, up to 5 times more resistant and 50% more puncture resistant than Nitrile/PVC

Cold Remains flexible in as low as -40° F conditions

Ozone No cracking in lining or cover when tested to ASTM D518 Procedure B (100 pphm/118°F/70 hours)

Chemical Resistant to most chemicals and petroleum products
Custom hose color and branding available on big volume orders

| ID inch | Wall Thickness inch | Max WP psi | Elongation at WP | Expansion at WP | Weight lbs./660 ft. | Reel Length feet |
|------------|---------------------------|---------------|---------------------|--------------------|------------------------|------------------------|
| 4 | 0.157 | 250 | 1.0% | 3.4% | 667 | 660 |
| 6 | 0.161 | | 1.0% | 3.2% | 1063 | |
| 8 | 0.165 | 200 | 0.7% | 3.0% | 1419 | |
| 10 | 0.165 | | 0.5% | 2.8% | 1894 | |
| 12 | 0.196 | 150 | 0.5% | 2.6% | 2462 | |

TEST DOCUMENTATION



-40° F to 180° F

All assemblies are proof tested at working pressure in the USA. We take a great deal of pride in promising that only the highest quality product leaves through our doors.

TPU Layflat Hose

- 4"
- 6"
- 8"
- 10"
- 12"

APPROVAL PROCESS

JOB: _____ DATE: ____/____/____

MEETS DIMENSIONAL SPECIFICATIONS: YES NO

MEETS MATERIAL SPECIFICATIONS: YES NO

MEETS PRESSURE / TEMPERATURE SPECIFICATIONS: YES NO

NOTES: _____

ENGINEER NAME: _____

ENGINEER SIGNATURE: _____



Midwest Hose
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