



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 2.5 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%	1,063	
8	0.165		0.7%	3.0%	1,419	
10	0.165	200	0.5%	2.8%	1,894	
12	0.196		0.5%	2.6%	2,462	
14	0.215	150	1.0%	5.0%	2,500	528
16	0.215	125	1.0%	5.0%	2,850	



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"
- 14"
- 16"

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
& Specialty, Inc.**



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