



TPU Layflat Hose

Specification Sheet



MWHPOLYTW200-1000 200 PSI W.P. -40° to 180° F (-40° to 82° C) POLYURETHAN

Part Number MWHPOLYTW200-XXXX

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



-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.

ID	Wall Thickness	Max WP	Elongation	Expansion	Weight	Reel Length
inch	inch	psi	at WP	at WP	lbs./660 ft.	feet
4	0.157	250	1.0%	3.4%	667	660
6	0.161		1.0%	3.2%	1,063	
8	0.165	200	0.7%	3.0%	1,419	
10	0.165		0.5%	2.8%	1,894	
12	0.196	150	0.5%	2.6%	2,462	
14	0.215		1.0%	5.0%	2,500	
16	0.215		1.0%	5.0%	2,850	



LAYGST Stem - A356.2 Aluminum & SS316

Size	Weight	Length	Wall Thickness	Max WP
inch	lbs	inch	inch	psi
3	0.88	3.50	0.08	625+
4	1.69	4.50	0.10	625+
6	3.96	6.00	0.12	625+
8	6.10	6.10	0.675	625+
10	11.8	7.37	0.875	625+
12	16.4	8.50	0.875	625+
14	24.5	9.25	1.25	625+
16	28.0	9.25	1.25	625+



LAYGHC Clamp - 6061 T6 Aluminum

Size	Weight	Width	Height	Max WP
inch	lbs	inch	inch	psi
8	5.4	1.06	2.75	625+
10	13.0	1.06	4.81	625+
12	18.4	1.06	5.75	625+
14	26.8	1.96	5.75	625+
16	31.6	1.96	5.75	625+



**Midwest Hose
& Specialty, Inc.**



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