



change of weft spools in the loom



on request long lengths can be supplied on wooden reels

Syntex PU

inside and outside Polyurethane

Construction

- inside: very smooth for minimum friction loss
- jacket of 100 % high tenacity synthetic polyester yarn, circular woven in special construction for maximum tensile
- completely embedded in high-quality thermoplastic polyurethane (TPU), is forced through the jacket in the extrusion process (standard colour: black; others on request), provides optimum protection of the jacket
- outside: smooth, excellent abrasion resistance

Feature

- excellent abrasion resistance and durability
→ suitable for extreme conditions
- resistant against slurry and many other chemicals
- excellent tensile strength
- minimum maintenance
- extremely resistant to aging and ozone and UV
- Cold-resistant up to -40°C
- Heat-resistant up to $+100^{\circ}\text{C}$
- minimum friction loss because of very smooth inner lining
- minimum elongation



Syntex PU (inside and outside Polyurethane)

Technical Details

Diameter in Inch	Diameter in mm	Bursting Pressure in bar	Bursting Pressure in PSI	Working Pressure in bar	Working Pressure in PSI	Weight in g/m (+/-5%)	Weight in lbs/ft (+/-5%)	Wall Thickness in mm (+/-0,2 mm)	Theoretical Tensile Strength in kg
Syntex PU HP (inside and outside Polyurethane)									
2	52	60	870	24	350	475	0,319	2,6	5.000
3	75	50	725	20	290	780	0,524	2,8	8.000
3 1/2	90	40	580	16	235	950	0,638	3,5	9.000
4	102	40	580	16	235	1.350	0,907	4,0	10.000
5	127	40	580	16	235	1.950	1,310	4,0	15.000
6	152	40	580	16	235	2.150	1,445	4,0	22.500
8	205	40	580	16	235	2.750	1,848	4,5	30.000
10	254	40	580	16	235	3.950	2,654	4,5	35.000
12	305	30	435	12	175	4.750	3,192	4,5	38.000
14	356	15	220	6	85	5.500	3,695	4,5	40.500
Syntex PU LP (inside and outside Polyurethane)									
5	127	30	435	12	175	1.700	1,142	3,0	12.000
6	152	30	435	12	175	1.800	1,209	3,0	15.000
8	205	30	435	12	175	2.200	1,478	3,0	17.500
10	254	20	290	8	115	2.850	1,915	3,5	20.000

The data regarding bursting pressure and working pressure refer only to the pure hose without couplings. Changes in technical specification without prior notice.



Applications

suitable for agriculture, irrigation, slurry, construction, mining, refineries, technical support