

Syntex Eschbach Welldur

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 suitable for drinking water), is forced through the jacket in the extrusion process (standard colour: blue), provides optimum protection of the jacket
- outside: very smooth with extruded holding strap with loops

Feature

- excellent abrasion resistance and durability
→ suitable for extreme conditions
- excellent tensile strength
- easy cleaning and disinfection
- extremely resistant to aging and ozone and UV resistant
- temperature resistant from -50°C to $+75^{\circ}\text{C}$
- minimum friction loss and minimum elongation

Approvals/Certificates

- KTW-Approval Cat. A
- DVGW W270
- BS6920-1:2000 (WRAS)



winding of a long length on a wooden reel



preparation of the jacket for the subsequent production of custom lengths



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Welldur (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) | pH range up to 30°C | Theoretical Tensile Strength in kg |
|--|-------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|--------------------------|-----------------------------|-------------------------------------|------------------------|--|
| Syntex Eschbach Welldur (inside and outside Polyurethane) | | | | | | | | | | |
| 2 | 52 | 60 | 870 | 25 | 365 | 580 | 0,390 | 3,2 | 4 up to 9 | 4.000 |
| 3 | 75 | 60 | 870 | 25 | 365 | 880 | 0,591 | 3,2 | 4 up to 9 | 7.000 |
| 4 | 102 | 60 | 870 | 25 | 365 | 1.150 | 0,773 | 4,0 | 4 up to 9 | 12.000 |
| 6 | 152 | on request | | | | | | | | |

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 water retrieval from boreholes with a submersible pump, mine dewatering and industrial application