VERDERFLEX®



VerderPU



- ✔ **Hydrocarbon resistance**
- ✔ **High chemical resistance**
- ✔ **High temperature resistance**

VerderPU a polyurethane- based extruded tube material is designed to accurately transfer dense and viscus polymers, the versatility of the tube extends to pump oils, greases and petroleum-based products. The VerderPU tubing exhibits excellent resistance to chemicals and abrasion. Its combination of flexibility, durability, and resistance to various chemicals and environmental conditions makes it suitable for a board spectrum of applications, from industrial to water treatment. PU tubing has excellent temperature resistance, capable of withstanding a wide temperature range with high tensile properties.

Chemical resistance

VerderPU is fair for transferring weak acids and salts, but has good resistance to oils, greases and fuels. It also exhibits excellent aliphatic and aromatic hydrocarbons commonly associated in water treatment. VerderPU is suitable for use at high temperature, however careful consideration must be given to changing liquid properties at elevated levels.

Features and Benefits

- Excellent resistance to sunlight, oxygen and ozone
- High tensile strength
- Suitable to Aliphatic and Aromatic hydrocarbons
- Temperature range
  <- 60 °C (-76 °F) to 74 °C (165 °F)







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Part Number	Tube ID	Wall Thickness	Description	Max pressure	
	[mm]	[mm]		[Bar]	[Psi]
155.9.0026	4,8	2,4	VerderPU 4.8ID x 2.4 PVDF Tube Element	2	30
155.9.0027	8,0		VerderPU 8.0ID x 2.4 PVDF Tube Element	2	30

Typical physical properties

Property	ASTM method	Value or Rating
Durometer Hardness (Shore A), 1s	D2249-97	65
Tear Resistance, lb.-f/inch (kN/m)	D524-98 Die C	320 (56)
Specific gravity	D792-98	1.16
Brittle Temperature °C (°F)	D746-98	-60 (-76)
Max. Recommended Operating Temperature °C (°F)	-	74 (165)
Color	-	Clear

Unless otherwise noted, all tests were conducted at room temperature (22,°7 C/73 °F). Values shown were determined on 0,075" thick extruded strip or 0,075" thick molded ASTM plaques or molded durometer buttons.



VERDER LTD
Unit 3 California Drive
Castleford - WF10 5QH
United Kingdom

TEL +44 (0)1924 221 020
FAX +44 (0)1132 465 649
MAIL info@verder.co.uk
WEB www.verderliquids.co.uk

Find your local supplier at www.verderliquids.com

For construction, installation and floor mounting drawings please contact your local authorised VERDERFLEX distributor.

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