

GENERAL INFORMATION

Cuff Construction		Nominal Thickness
Ply 4	Cured Silicone Rubber	1.0mm
Ply 3	Fabric Reinforced Silicone Rubber	1.0mm
Ply 2	Fabric Reinforced Silicone Rubber	1.0mm
Ply 1	Cured Silicone Rubber	2.0mm

TYPICAL PROPERTIES

Nominal Thickness Cuff	5.0mm
Nominal Thickness Body	2.0mm
Length	As ordered \pm 30mm
Operating Temp	-40C to 200C
UV Transmittance	Over 50%
Tear Strength	30N/mm
Expansion	150%
Number of uses	Up to 60

Who are we? – Fenner Precision is an engineered solutions leader with a global footprint and market leading expertise in silicone and organic rubber products. We harness advanced materials technology and manufacturing capability to deliver world class, precision engineered solutions that help our customers succeed.

Why choose Fenner Precision? – As well as developing and delivering market leading pipe rehabilitation products, our commitment to customers helps us stand apart in the market. We work in partnership with you to tailor our CIPP packer bladders and ensure that they complement your unique curing system perfectly to deliver the best possible results.

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 **Fenner Precision**[®]
Designed To Fit Your Needs. Exactly.

FenFlex Light

curing for pipe rehabilitation



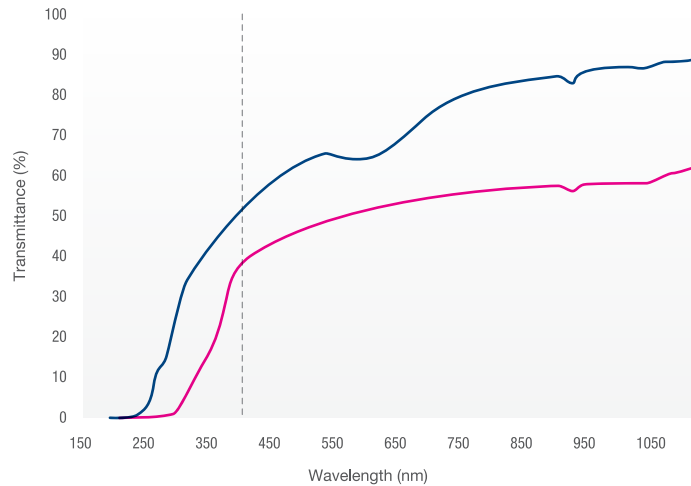
150% FenFlex Light delivers market leading packer bladder expansion



As a key part of our pipe rehabilitation range, FenFlex Light is our highly engineered CIPP packer bladder designed to deliver **maximum translucency, expansion and tear strength.**

The exceptional translucency offered by FenFlex Light ensures that both UV and LED light pass through the bladder with ease, **speeding up the curing process without compromising the quality of the cure.**

Light Translucency for FenFlex Light vs Reinforced Translucent



Independent light translucency testing has shown that when exposed to industry standard light wavelength for curing, FenFlex Light is significantly more translucent than a widely used existing product. This means FenFlex Light delivers much faster curing, which reduces operation disruption and downtime.

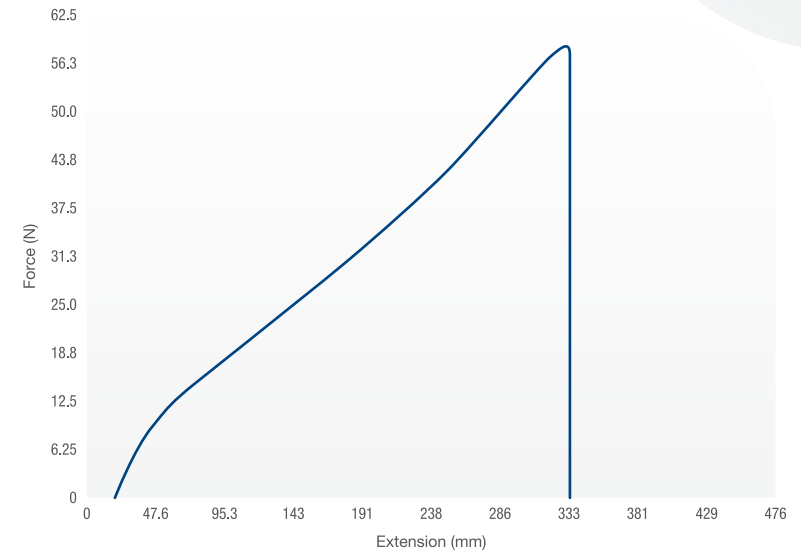
7.5% After enduring 200% extension for 16 hours at 150C, FenFlex Light lost minimal stretch, illustrating exceptional reusability

FenFlex Light is **designed to reduce the lifetime cost of CIPP bladders.** This is achieved through exceptional bladder expansion of 150% making and **a single bladder suitable for a wide range of pipe diameters.** As well as this, FenFlex Light is built and tested to deliver up to 60 reuses.

Having worked extensively with leading curing system manufacturers to understand their needs, we recognise that packer bladders operate in robust operational environments. That's why FenFlex Light is built to deliver exceptional tear strength, giving you confidence it its durability to withstand many of the common causes of tears that lead to complete packer bladder failure. **We can also optimise FenFlex Light to ensure that it works in sync with your unique curing system** to deliver outstanding results consistently.



FenFlex Light Tear Strength



Following ASTM D624 tear strength testing, FenFlex light was cut with a 1mm depth tear and stretched until failure. The results indicate that despite not having any fabric reinforcement, FenFlex Light delivers excellent tear strength which means it is well placed to withstand the usual wear and tear of pipe rehabilitation work

