

## Elast-O-Pure<sup>®</sup> SIL70 SU Translucent

Elast-O-Pure<sup>®</sup> SIL70 SU Translucent elastomer has been developed to meet the stringent requirements of the pharmaceutical and bioprocessing sectors. This platinum-cured pharmaceutical grade of silicone is supplied in a hardness grade of 70 IRHD, making it suitable for a wide variety of fluid sealing duties. Our confidence in promoting this material is based on over thirty years of successful collaboration with the pharmaceutical and bioprocessing industries.

### Features:

- Independently tested in accordance with, and conforms to, United States Pharmacopoeia (USP) Class VI.
- Low compression set, so ideally suited for the manufacture of 'O' rings and clamp gasket seals where long-term retention of sealing force is required.
- Excellent release properties from stainless steel after prolonged contact at elevated temperatures.
- Available as 'O' rings and clamp gasket seals.



## Technical Data

### Typical Properties of Elast-O-Pure® SIL70 SU Translucent

Property	Unit	Value
Hardness	IRHD	70
Tensile Strength	MPa	8.6
Elongation at break	%	290
Compression set 22Hrs @ 175°C	%	13
Tear Strength	N/mm	21



Elast-O-Pure® SIL70 SU Translucent was tested in accordance with, and meets the requirements of, United States Pharmacopoeia (USP) Class VI.

Elast-O-Pure® SIL70 SU Translucent is an ADI (Animal Derived Ingredient) free product.

A detailed Statement of Compliance for Elast-O-Pure® SIL70 SU Translucent is available to customers on request.

## Technical Support

We have unrivalled experience in the design, development and manufacture of a wide range of general and high performance elastomers. In these areas, the in-house expertise of the James Walker Technology Centre is backed by academic bodies, technological centres of excellence and commercial laboratories. We are willing to partner with equipment manufacturers in the pharmaceutical and bioprocessing sectors to develop, prototype and evaluate materials and/or specific components for custom applications.

## James Walker Quality

Our quality systems are third party registered to BS EN ISO 9001:2008, AS EN 9100, ISO 14001 and OHSAS 18001. We are also regularly assessed and quality approved by a wide range of industry bodies and individual customers - including multinational corporations, utilities and government organisations.

**Health warning:** Information in this publication and otherwise supplied to users is based on our general experience and is given in good faith, but because of factors which are outside our knowledge and control and affect the use of products, no warranty is given or is to be implied with respect to such information. Unless governed by type approval or contract, specifications are subject to change without notice.

Statements of operating limits quoted in this publication are not an indication that these values can be applied simultaneously.

To ensure that you are working with the very latest product specifications, please consult the relevant section of the James Walker website: [www.jameswalker.biz](http://www.jameswalker.biz).

**Environmental statement:** This brochure is manufactured using advanced environmentally friendly technologies and follows the strict environmental standard BS EN ISO 14001. Made from chlorine-free pulp (ECF) with post-consumer recycled fibre obtained from sustainable wood forests, and printed using vegetable-based inks, by Binfield Printers Ltd. For those who wish to reduce further their impact on the environment, this publication is also available as a PDF from: [www.jameswalker.biz](http://www.jameswalker.biz)

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