

## Elast-O-Pure® Sil70 Translucent

Elast-O-Pure® Sil70 Translucent elastomer has been developed by James Walker to meet the stringent requirements of the pharmaceutical and bioprocessing sectors. This platinum-cured pharmaceutical grade of silicone is available 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 supply into the pharmaceutical and bioprocessing industries.

### Features:

- Independently tested in accordance with, and conforms to, United States Pharmacopoeia (USP) 30 Class VI.
- Low compression set, so ideally suited for the manufacture of 'O' rings, hygienic clamp fitting seals and other items where long-term retention of sealing force is required.
- Excellent resistance to steam sterilisation – ideal for Sterilised-In-Place (SIP) processes.
- Excellent chemical resistance, including acid and alkaline cleaners used in Clean-In-Place (CIP) systems.
- Excellent release properties from stainless steel after prolonged contact at elevated temperatures.
- Available as 'O' rings, clamp gasket and ColorGrip™ seals, custom mouldings, sheet and precision cut gaskets.



## Technical Data

### Typical Properties of Elast-O-Pure<sup>®</sup> Sil70 Translucent

Property	Unit	Value
Hardness	IRHD	73
Tensile Strength	MPa	9.6
Elongation at break	%	600
Compression set, 24 Hrs @ 100°C	%	6.5
Compression set, 24 Hrs @ 125°C	%	7.5
Tear Strength	N/mm	65



Elast-O-Pure<sup>®</sup> Sil70 Translucent was tested in accordance with, and meets the requirements of, United States Pharmacopoeia (USP) 30 Class VI.

Elast-O-Pure<sup>®</sup> Sil70 Translucent is an ADI (Animal Derived Ingredient) free product.

A detailed Statement of Compliance for Elast-O-Pure<sup>®</sup> Sil70 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.

### Flexible Manufacturing

Our extensive range of production techniques and plant provides us with total flexibility of manufacture. This enables us to precisely select the correct production route for each of the vastly different types, sizes and quantities of elastomeric items that our clients require.

### James Walker Quality

Our quality systems are third party registered to BS EN ISO 9001:2000. 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.

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