

Data Sheet

E105 PFA/Silicone Solid Core Encapsulated O Ring

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| Data Sheet Type | Final |
| Material Reference | E105 |
| Polymer | FEP & PFA |
| Date Issued | 30/08/25 |



Description

This Encapsulated O Ring combines the Chemical Resistance of a Teflon®PFA Outer Jacket with the energy of a solid Silicone Rubber Core. Silicone Rubber is chosen as the core when Higher or Lower Temperature Range is required. The Teflon®PFA offers advantages over Teflon®FEP as it has improved mechanical, creep properties, abrasion resistance and a higher operating temperature.

| Specifications | Values | Test Methods |
|---|----------------|--------------|
| Highest Recommended Working Temperature | 260 °C Maximum | None |
| Lowest Recommended Working Temperature | -60 °C Minimum | None |

Purposes



Chemical Resistant



High Working Temperature



Low Working Temperature



Oil Resistance

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.