

Swelling Test

Determines the compatibility of rubber and lubricants (i.e. oil/grease) according to DIN ISO 1817

The swelling test determines the change of hardness as well as the change of volume stated in our material data sheets. Positive and negative swelling is possible.

The proper application of lubricants and solvents is defined in the standard ÖNORM EN 12385-8:2003. Semperit does not provide any recommendation in regard of lubricant or solvent producers/products as well as amount resp. application in operation. Please be informed that recommendations of Semperit products by third parties as compatible materials to some lubricants, are not verified by Semperit.

For tests at 3rd party laboratories, Semperit can offer required material samples.

| Semperit Material | Temp. | Period | Tested lubricant or oil | | | |
|-------------------|------------|--------------|---|-------|-----|---|
| | | | Change of Hardness [ShA] max +/- 10 points DIN ISO 7619 | | | Change of Volume [%] max +/- 20% DIN ISO 1817 |
| | | | Initial | After | Var | |
| Rubber Compound | [°C] 20 | [days] 14 | | | | |

Example table provided by Semperit

All specifications, numbers, calculations, test values, and data mentioned here – which are the basis for our customer consultation – are in accordance with the latest engineering standards. As the operating conditions have an influence on product application, this information can only be used as a rough guideline. It is the sole responsibility of the customer to check the application conditions of each individual case, and whether the specified quality criteria of our products are adequate for the intended purpose. Improper use, excessive loading, or exposure to impermissible media can impair the product's function. Our experts will be happy to answer any questions you might have. Text and pictures, etc. remain in the ownership of Semperit Technische Produkte Gesellschaft m.b.H. The pictures and graphics shown are only representative images. No liability is accepted for mistakes or printing errors and data is subject to change at any time. Copying and distribution in any form whatsoever, in whole or in part, only with the express written consent of Semperit. Copyright © Semperform. 2018. All rights reserved.

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