

# Polymer ST 48

## Low modulus sealants for construction according to ISO 11600 F&G 25 LM / 25 HM

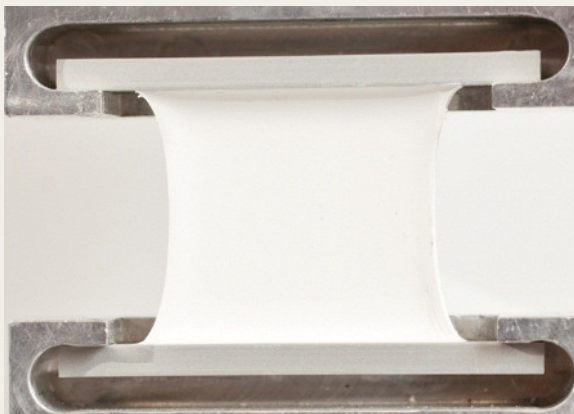
### Technical properties\*

Appearance	colorless, transparent
Viscosity	ca. 60,000 mPas
Plasticizer	phthalate
Tensile strength in formulation**	1 N/mm <sup>2</sup>
Elongation in formulation**	600%
Modulus 100 % in formulation**	0.3 MPa

\*no specification data, \*\* formulation available upon request

### Applications

Polymer ST 48 is especially recommended for the application as sealant for interior or exterior joints, e.g. expansion or connection joints, interior joints for dry walling, joints at staircases.



### Benefits

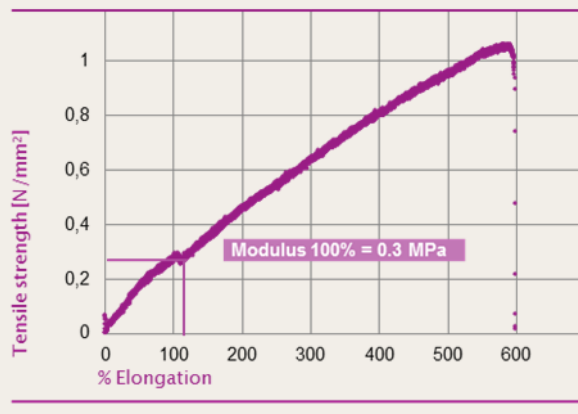
Polymer ST 48 offers a good handling viscosity and is therefore easy to apply manually. Formulation surfaces are quickly tack-free after application, which ensures rapid processing and avoids long waiting times.

Furthermore, it is possible to produce tin-free formulations.

Polymer ST 48 shows excellent adhesion to concrete, wood, glass and different metals.

Showing a good stress-strain behavior makes Polymer ST 48 suitable for low modulus formulations according to ISO 11600 F&G 25LM/25HM.

### Polymer ST 48 for low modulus construction sealants



#### Processing

For the right choice of raw materials, especially when it comes to fillers as e.g. CaCO<sub>3</sub>, it is recommended to use products at lowest water content. Fillers can be pre-dried at higher temperatures before use.

The temperature of the product containers should not vary too greatly from the surrounding temperature, as water could condense and contaminate the product. This is of importance especially when raw materials are stored outside during winter time.

It is necessary to keep all equipment used for processing clean and dry. Surfaces can be cleaned with volatile solvents such as acetone, if necessary.

The product is activated for reaction once the catalyst is added, i.e. the product starts curing when it comes in contact with moisture. Afterwards, it must therefore be kept in dry and closed containers.

#### Packaging

950 kg IBC

Samples: 1-l- aluminum bottle

#### Shelf life

In closed containers stable for 9 months at temperatures up to 104 °F (40 °C).

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

(Status: August 2014)

#### Evonik Nutrition & Care GmbH

Charlottenburger Str. 9, 21502 Geesthacht, Germany

Phone: +49 4152 8092-0, Fax: 49 4152 79156

nano-and-silicone-technology@evonik.com, www.evonik.com/nano-and-silicone-technology