



## POLYTHIX R 100

### General description, application

POLYTHIX R 100 is an activated dispersion of vegetable oil derivatives in non-drying oils (castor oil). The main components are triglycerides of vegetable fatty acids and 12-hydroxystearic acid.

Polythix R 100 is a thickening agent for non-aqueous systems. It causes a highly thixotropic viscosity increase. Polythix R 100 is a suitable rheology modifier for a wide range of applications.

Sealing compounds  
Polyurethane foams  
Polyurethane coatings  
Adhesives  
Cosmetic

Polythix R 100 is easy to incorporate and can be used to adjust flow properties.  
Addition level: 2 - 10%

#### Specification

acid number	max. 2
hydroxy value	≥ 160

#### Typical data

general information, not a part of the specification

delivery form	soft bright paste
water content	≤ 0,5 %
active ingredient	approx. 10%
melting point, active ingredient	≥ 85°C

Polythix R 100 is vegetable based and physiologically harmless. Due to the use of natural resources, a deviation in the specific properties can occur, which must be compensated for by adjusting the final formulation.

### Application Notes / benefits

- The active substance in Polythix R 100 is already activated, thus no additional temperature increase is required during incorporation.
- Polythix R 100 can be applied to all non-aqueous systems compatible with castor oil. The paste should be stirred in as the final ingredient of the formulation. A high dispersion speed is not necessary.
- The temperature during incorporation should not exceed 60°C.



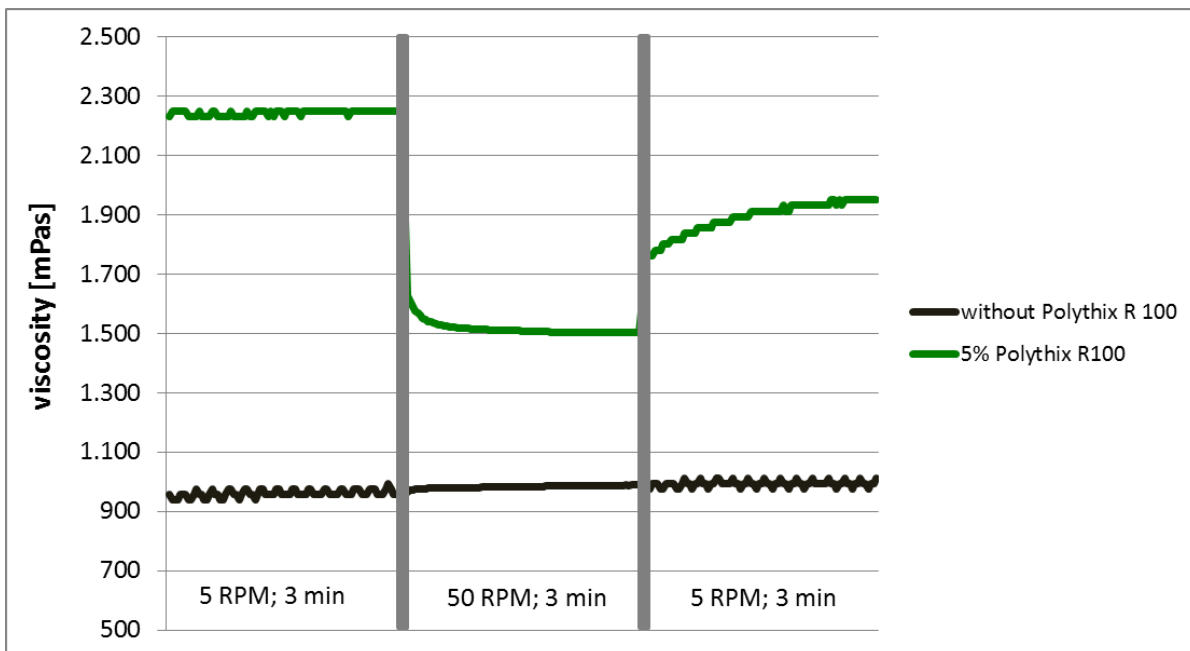
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### Application example

Thixotroping a 100% polyol:

without Polythix R 100: viscosity [mPas]: 960 (5 RPM); 980 (50 RPM)

5% Polythix R 100: viscosity [mPas]: 2250 (5 RPM); 1500 (50 RPM)



### Packaging

packaging unit

25 kg / 100 kg drums

### Storage

Store in closed containers at low relative humidity and temperatures < 50°C.  
The product shelf life of Polythix R100 is 12 months from the date of shipment.

The above data do not represent a characteristic warranty. The customer is not freed by this product information from his obligation to the examination on suitability for the intended purposes and procedures. Same applies to the inspection of incoming goods at the customer.

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