

# Thioplast G21

Liquid polysulfide polymer with thiol end groups (MW > 1800 g/mol)

Thioplast G21 is a liquid Polysulfide Pre-polymer, end-capped by SH-functional end groups.

CAS number  
68611-50-7

## Characteristics

Appearance	Brownisch liquid polymer
Average Molecular weight, relative to SEC standard	2100-2700 g/mol
Branching, calculated on mol% TCP	2.0 mol%
Flash point	≥ 230 °C
Free sulfur	0.01-0.1 %
Glass point	~ -55 °C
SH content, related to viscosity/Molecular weight	2.5-3.1 %
Viscosity, 25°C	10-20 Pa.s
Volatiles	≤ 0.5 %
Water content	≤ 0.35 %

### Notes:

Characteristics: typical properties, not to be construed as product specifications.

## Applications

Thioplast G21 is used to formulate flexible, highly elastic sealants being used in Insulating Glass applications with best performance in high Nobel Gas retention and low moisture vapor permeability. Furthermore, Thioplast G21 is used in low viscos sealants with good UV-resistance being used in construction applications. Recommended use in combination with Managanese(IV)oxide curing agent (7.5-9.4 g MnO<sub>2</sub>/100g).

## Storage

Store the container in cool and dry area, keep it closed when not in use. Shelf life under appropriate storage conditions min. 3 years.

## Packaging and transport

Thioplast G21 is available in 200 liter drums, 1000 liter IBC and 20m<sup>3</sup> ISO Bulk.

## Safety and handling

Full information on the safe handling is available in the Safety Data Sheet (SDS). Further details are available upon request.

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## Contact Us

**Nouryon Pulp and Performance Chemicals AB**

13000

SE-850 13 Sundsvall

Sweden

+46 60 13 4000

+46 60 56 9518 (Fax)

[info.expancel@nouryon.com](mailto:info.expancel@nouryon.com)

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