

## **Product Data Sheet**

## Thioplast™ G112

Status: July 2019

Liquid polysulfide polymer with thiol end groups

Description	Liquid Polysulfide Pre-polymer, end-capped by SH-functional end groups.
Properties <sup>1)</sup> 1) Typical properties, not to be construed as product specifications	Appearance SH content Viscosity (25 °C) Av. Molecular weight Branching Water content Free sulfur Volatiles Glass point Glass point CAS-No  brownish liquid polymer 1,5 – 1,7% (related to viscosity/Molecular weight) 38 – 50 Pas 3900 – 4400 g/mol (relative to SEC standard) 0,5 mol% (calculated on mol% TCP) max. 0.35% 0.01 – 0.1% pax. 0.5% approx. – 55 °C 68611-50-7
Application	Thioplast G112 is used to formulate flexible, highly elastic sealants being used in Insulating Glass- and Aerospace applications with best performance in Jet Fuel resistance, high Nobel Gas retention and low moisture vapor permeability. Furthermore, Thioplast G112 is used in sealants with good UV-resistance being used in construction applications.
Curing	Curing agent: Manganese (IV)-oxide (*): 5,7 – 6,3 g/100 g Thioplast G 112 (*) Pure curing agent: Manganese (IV)-oxide. The concentration of active/activated Manganese (IV)-oxide needs to be considered.  Curing paste pbw  MnO2, Grade Honeywell FA 100 Santicizer 278 100 Perkacit DPG 6 Airex 900 7.4  Properties of Thioplast G112 cured with 15 g curing paste/100 g Thioplast G112: Shore A-hardness min 33 Elongation @ break % min 120
Packaging	Thioplast G112 is available in 200 Liter drums, 1000 Liter IBC and 20m³ ISO Bulk.
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.
Handling	Full information on the safe handling is available in the Material Safety Data Sheet (MSDS). Further details are available upon request.

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Nouryon Functional Chemicals GmbH Liebigstr.7, D-07973 Greiz, Germany