Product Data Sheet

Thioplast™ G22

Liquid polysulfide polymer with thiol end groups

Status:
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Description	Liquid Polysulfide Pre-polymer, end-capped by SH-functional end groups.
Properties[1)] 1) Typical properties, not to be construed as product specifications	Appearance: brownish liquid polymer SH content: 2,1 – 2,7% (related to viscosity/Molecular weight) Viscosity (25 °C): 10 – 20 Pas Av. Molecular weight: 2400 – 3100 g/mol (relative to SEC standard) Branching: 0,5 mol% (calculated on mol% TCP) Water content: max. 0.35% Free sulfur: 0.01 – 0.1% Volatiles: max. 0.5% Glass point: approx. – 55 °C Flash point: > 230 °C CAS-No: 68611-50-7
Application	Thioplast G22 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 G22 is used in highly elastic, low viscos sealants with good UV-resistance being used in construction applications.
Curing	Curing agent: Manganese(IV)-oxide (*): 7,5 – 9,4 g/100 g Thioplast G 22 (*) Pure curing agent: Manganese (IV)-oxide. The concentration of active/activated Manganese (IV)-oxide needs to be considered. **Curing paste** — **pbw** MnO_2, Grade Honeywell FA: 100 Santicizer 278: 100 Perkacit DPG: 6 Airex 900: 7.4 Properties of Thioplast G22 cured with 20 g curing paste/100 g Thioplast G22: Shore A-hardness: min 30 Elongation @ break %: min 120
Packaging	Thioplast G22 is available in 200 Liter drums, 1000 Liter IBC and 20m^3 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.

Nouryon Functional Chemicals GmbH
Liebigstr.7, D-07973 Greiz, Germany
Tel. +49-3661-78-0
thioplast@nouryon.com
https://sulfurderivatives.nouryon.com/thioplast/