

Product Data Sheet

Thioplast™ G4

Liquid polysulfide polymer with thiol end groups

Status: July 2019

Description	Liquid Polysulfide Pre-polymer, end-capped by SH-functional end groups.	
Properties ¹⁾	Appearance SH content	brownish liquid polymer 6,0 - 7,0% (related to viscosity/Molecular weight)
Typical properties, not to be construed as product specifications	Viscosity (25 °C) Av. Molecular weight Branching Water content Free sulfur Volatiles Glass point Flash point CAS-No	max. 1,3 Pas <1100 g/mol (relative to SEC standard) 2,0 mol% (calculated on mol% TCP) max. 0.35% 0.01 – 0.1% max. 0.7% approx. – 55 °C > 230 °C 68611-50-7
Application	Thioplast G4 is used as reactive diluent in Thioplast G based sealants to formulate low viscos, flexible and highly elastic sealants being used in aerospace and construction applications with best performance in high Nobel Gas retention and low moisture vapor permeability. Additionally, Thioplast G4 is used as highly reactive partner in Amine cured Epoxies (like Bisphenol (A, F, AF) DGE and Novolac) to adapt and optimize tensile-/impact strength and elasticity (brittleness).	
Curing	Support on stoichiometric calculation to cure Epoxies with Thioplast G4 is available on request.	
Packaging	Thioplast G4 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.	

Legal Disclaimer: All information is based upon tests and data believed to be reliable, however, it is the user's responsibility to determine the suitability for his own use of the products described here. Nothing herein contained is to be construed as permission or as a recommendation to infringe any patent. All orders accepted shall be subjected to the standard conditions of sales of the manufacturing company, Nouryon Functional Chemicals GmbH, Greiz, Germany.

Nouryon Functional Chemicals GmbH Liebigstr.7, D-07973 Greiz, Germany Tel. +49-3661-78-0