Product Data Sheet

Thioplast™ G44

Liquid polysulfide polymer with thiol end groups

<table>
<thead>
<tr>
<th>Description</th>
<th>Liquid Polysulfide Pre-polymer, end-capped by SH-functional end groups.</th>
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</thead>
</table>
| Properties 1) | Appearance: brownish liquid polymer  
SH content: 6.0 – 7.0% (related to viscosity/Molecular weight)  
Viscosity (25 °C): max. 1.3 Pas  
Av. Molecular weight: <1100 g/mol (related to SEC standard)  
Branching: 0.5 mol% (calculated on mol% TCP)  
Water content: max. 0.35%  
Free sulfur: 0.01 – 0.1%  
Volatile: max. 0.7%  
Glass point: approx. – 55 °C  
Flash point: > 230 °C  
CAS-No: 68611-50-7 |

| Application | Thioplast G44 is used as reactive diluent in Thioplast G based sealants to formulate low viscosity, flexible and highly elastic sealants being used in Aerospace and construction with best performance in high Nobel Gas retention and low moisture vapor permeability.  
Additionally, Thioplast G44 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 G44 is available on request. |

| Packaging | Thioplast G44 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.

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