

Product Data Sheet

Thioplast™ EPS 25

Status:
 December 2018

Diglycidyl-ether end-capped liquid Polysulfide Pre-polymer

Intended use	Formulation of flexible and corrosion-resistant coatings, adhesives and sealants										
Description	Liquid, Diglycidyl-ether end-capped liquid Polysulfide Pre-polymer.										
Properties¹⁾ <small>1) Typical properties, not to be construed as product specifications</small>	<table> <tr> <td>Viscosity (25°C) [Pas]:</td> <td>approx. 1.5 - 3</td> </tr> <tr> <td>Appearance:</td> <td>Clear, amber liquid</td> </tr> <tr> <td>Color:</td> <td>light yellowish</td> </tr> <tr> <td>Epoxy-oxygen content [wt%]:</td> <td>approx. 2.1 – 2.9</td> </tr> <tr> <td>Equivalent weight [g/equ]:</td> <td>approx. 550 - 750</td> </tr> </table>	Viscosity (25°C) [Pas]:	approx. 1.5 - 3	Appearance:	Clear, amber liquid	Color:	light yellowish	Epoxy-oxygen content [wt%]:	approx. 2.1 – 2.9	Equivalent weight [g/equ]:	approx. 550 - 750
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Application	<ul style="list-style-type: none"> • Thioplast EPS25 could be used in application of flexible, crack bridging and corrosion-resistant coatings for concrete and steel. • Furthermore, Thioplast EPS25 is applied in formulations of adhesives, sealants and is being used as flexible reactive diluents for high viscos Epoxies. • Thioplast EPS25 combines the outstanding chemical / physical properties of Thioplast G, liquid Polysulfide polymers, with the benefits of the Epoxy-chemistry. <p>Further advantages of Thioplast EPS25 are:</p> <ul style="list-style-type: none"> - Improve the flexibility of standard Bisphenol A, A/F and F based Epoxies - Improve the impact and thermal shock resistance - Excellent water and corrosion resistance - Resistance to a variety of aggressive chemicals, fuels and other oil products. - Thioplast EPS25 is used as additive in two-component Epoxy-systems. Curing at room and elevated temperature (max. temp. approx. 150C/300F) - Typical curatives are aliphatic and cycloaliphatic amines. - Thioplast EPS25 is chemically compatible with most of Bisphenol A, A/F, F and Novolac-Epoxies. 										
Packaging	Thioplast EPS25 is available in 200 L drums or 1000L IBC.										
Storage	Thioplast EPS25 is a reactive Pre-polymer. Protection against contact with air, moisture and temperatures over 30C/90F during transportation and storage is needed. Containers should be firmly closed after each use. Under appropriate storage conditions the shelf life of this product is 12 months.										
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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