

Product Data Sheet

Thioplast™ EPS 70

Status:
 December 2018

Epoxidized liquid Polysulfide Pre-polymer

Intended use	Formulation of flexible and corrosion-resistant coatings, adhesives and sealants										
Description	Liquid Polysulfide Pre-polymer, end-capped by Diglycidyl-ether of Bisphenol A (DGEBA). Reactive diluent is a 1,6-Hexanediol-diglycidyl ether.										
Properties¹⁾ <small>1) Typical properties, not to be construed as product specifications</small>	<table> <tr> <td>Viscosity (25°C) [Pas]:</td> <td>approx. 7.5</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. 5</td> </tr> <tr> <td>Equivalent weight [g/equ]:</td> <td>approx. 310</td> </tr> </table>	Viscosity (25°C) [Pas]:	approx. 7.5	Appearance:	Clear, amber liquid	Color:	light yellowish	Epoxy-oxygen content [wt%]:	approx. 5	Equivalent weight [g/equ]:	approx. 310
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Application	<ul style="list-style-type: none"> • Thioplast EPS70 could be used in application of flexible, crack bridging and corrosion-resistant coatings for concrete and steel. • Furthermore, Thioplast EPS70 is applied in formulations of adhesives, sealants and is being used as flexible reactive diluents for high viscos Epoxies. • Thioplast EPS70 combines the outstanding chemical / physical properties of Thioplast G, liquid Polysulfide polymers, with the benefits of the Epoxy-chemistry. <p>Further advantages of Thioplast EPS70 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 EPS70 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 EPS70 is chemically compatible with most of Bisphenol A, A/F, F and Novolac-Epoxies. 										
Packaging	Thioplast EPS70 is available in 200 L drums or 1000L IBC.										
Storage	Thioplast EPS70 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 6 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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