

Thioplast EPS35

Liquid polysulfide polymer with epoxy end groups

Thioplast EPS35 is an epoxy terminated, liquid polysulfide polymer. The aliphatic polysulfide backbone is terminated by epoxy end-groups. Thioplast EPS35 exhibits excellent chemical resistivity, high flexibility and very good low-temperature impact resistance compared to conventional amine curatives.

CAS number
117527-71-6

Characteristics

Appearance	Clear amber liquid
Epoxy-oxygen content	approx. 2.3 – 2.6 wt%
Equivalent weight	400 - 500 g/equ
Glass point	approx. -55 °C
Viscosity, 25°C	approx. 3.5 Pa.s
Water content	≤ 0.1 %

Notes:

Typical properties, not to be construed as product specifications.

Applications

Thioplast EPS 35 is primarily used in metal or concrete coatings to improve the flexibility, impact and thermal shock resistance as well as the resistivity against chemicals, oils, corrosion and low-temperature cracks. Thioplast EPS 35 is compatible with most Bisphenol A, A/F, F and Novolac resins and can also be used in epoxy-based adhesives and sealant formulations. As with any product, the use of Thioplast EPS 35 in a given application must be tested (including, but not limited to field testing) in advance by the user to determine suitability. Thioplast EPS 35 is used in two-component systems. Typical curatives are linear or cyclic aliphatic or aromatic amines.

Storage

Thioplast EPS35 is a reactive Pre-polymer. Protection against contact with air, moisture and temperatures over 25°C/77°F 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.

Packaging and transport

Thioplast EPS35 is available in 200 l drums or 1000 l IBC. Other packages available on request.

Safety and handling

Full information on the safe handling is available in the Safety Data Sheet (SDS). Further details are available upon request.

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The Nouryon logo consists of a stylized orange 'N' followed by the word 'ouryon' in a lowercase, sans-serif font, all in orange.