



Product Data Sheet

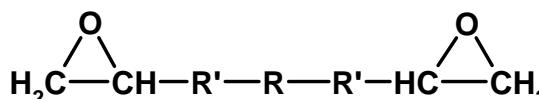
ThioplastTM EPS 80

Epoxidized Polysulfides

Status:
January 2010

Intended use Formulation of flexible and corrosion-resistant coatings, adhesives and sealants

Description Epoxy-terminated Polymer
R = chain with Polysulfide structure
R' = resins of glycidyl ether of
Bisphenol A (DGEBA)



Properties Polymer of low viscosity
Viscosity (25°C) – Pa*s approx. 7.5
Appearance Clear, amber liquid
Colour yellow
Epoxy-oxygen content - wt-% approx. 5
Equivalent weight - g/equ approx. 310

Application EPS 80 is used for manufacturing of flexible, crack bridging and corrosion-resistant coatings for concrete and steel. Further EPS 80 is applied for the formulation of adhesives, sealants and as reactive diluents.

EPS types combine the well known properties of common Polysulfide polymers with improved surface adhesion and faster curing. Further advantages are:

- Extended flexibility
- Improved impact and thermal shock resistance
- Excellent water and corrosion resistance
- Resistance to a number of aggressive chemicals, fuels and other oil products.

EPS 80 is used in two-component systems and can be cured at room temperature. Typical hardeners are aliphatic and cycloaliphatic amines.

Packaging EPS 80 is usually supplied in 216,5 l drums (57 USG). Other packaging available.

Storage Protect against contact with air, moisture and temperatures over 30°C during transportation and storage. Containers should be firmly sealed after each use.

Under appropriate storage conditions the shelf life of this product is 6 months

Handling Full information on the safe handling of EPS 80 is available in the Material Safety Data Sheet (MSDS). Further details are available upon request.

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