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Technical Data Sheet

MATERIAL: Phenoxy resin

CATALOG NUMBER: 045A

CAS NUMBER: 25068-38-6

DESCRIPTION: Copolymer of bisphenol-A and epichlorohydrin

FORMULA: $(C_{15}H_{14}O \cdot C_3H_6O_2)_x$

TYPICAL PROPERTIES:

Appearance: Pellets

 Approx Mw:
 50,000 [GPC]

 Density:
 1.18 (23°C)

 Softening point:
 180°C

 Tg:
 80°C

Viscosity: 500cp (20% in cyclohexanone) Solubility: Cellosolve acetate, MEK, THF

GENERAL INFORMATION: Phenoxy resin is a high molecular weight thermoplastic material

supplied in the form of clear, cylindrical pellets. It is made of bisphenol-A and epichlorohydrin. Phenoxy resins are recommended for coating applications requiring excellent toughness, flexibility, adhesion and chemical resistance. Typical applications include: binders for zinc-rich primers for maintenance coatings on steel; shop-coat primers that may be welded without removing the coating; coating film, tape, etc.; coil coating primers adhering to many types of pretreated metals, for food containers as sole binder or with phenolics (have FDA acceptability); thermoset container coatings crosslinked with melamines and also with urethanes; phenoxy zinc dust pipe dopes; hot melt and solution applied adhesives.

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