



# TEXIPOL<sup>®</sup> 67-5054

## Anionic inverse emulsion thickener

**INTRODUCTION** TEXIPOL 67-5054 is one of a series of APEO free multifunctional high efficiency and fully synthetic thickeners designed for acid dye printing applications. TEXIPOL 67-5054 will produce sharper and better defined prints with excellent colour yield, brightness and handle. TEXIPOL 67-5054 has excellent storage stability and does not require the use of a preservative.

**CHARACTERISTICS** (Not to be taken as a specification)

Appearance		creamy liquid
Relative density at 25°C	g/cm <sup>3</sup>	1.05
Thickened deionised water *	mPa s	30,000
Flow of thickened compositions		short
Polymer charge		anionic
Polymer compatibility		anionic/non-ionic
Flash point	°C	100

\* Deionised water thickened with 2% of TEXIPOL 67-5054, as supplied. Brookfield RVT, Spindle 6, 5 rpm at 25°C.

**APPROVALS** TEXIPOL 67-5054 is suitable for use in Öko-Tex applications.

**APPLICATIONS** The polymers present in TEXIPOL 67-5054 are already in solution therefore thickening of printing paste formulations is almost instantaneous. TEXIPOL 67-5054 can be used in both the conventional and automatic colour kitchen methods. TEXIPOL 67-5054, if required, can be directly pumped and metered.

TEXIPOL 67-5054 can be used for preparing a thickener stock with or without other additives, except acid dyes. When covered adequately (preferably in the absence of air) thickened stock can be stored for long periods, without any signs of skin formation. In another method TEXIPOL 67-5054 is added to the stirring mixture of preweighed water, acid dye and other ingredients of the printing paste formulation.

Thickening is achieved normally in less than 1 minute, but the optimum thickening time might vary according to stirrer efficiency and formulation ingredients.

A typical formulation for pH 5 - 6, acid dye printing is TS 2819. Thickened paste has a viscosity of >25,000 mPa s. (Brookfield RVT, Spindle 6, 5 rpm at 25°C). If required other chemicals such as humectants, antifoams, softeners definition improvers etc. can be added to the print paste formulations, preferably before the addition of TEXIPOL 67-5054.

## PACKAGING

TEXIPOL 67-5054 should be stored at temperatures between 5 - 30°C. If the product freezes, thaw completely by placing the container in a warm water bath and homogenise completely by mixing thoroughly, before use. TEXIPOL 67-5054 can be stored in glass, stainless steel, plastic or epoxy-lined vessels. TEXIPOL 67-5054 should not be stored in mild steel, copper or aluminium containers.

## STORAGE

TEXIPOL 67-5054 is available in 120 kg polyethylene open topped kegs and 200 kg lacquer-lined open topped drums.

## HEALTH & SAFETY

See separate material safety data sheet.

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