



TEXIPOL[®] 67-5053

Anionic inverse emulsion thickener

INTRODUCTION TEXIPOL 67-5053 is one of a series of APEO free multifunctional high efficiency and fully synthetic thickeners designed for the printing of polyester with disperse dyes. TEXIPOL 67-5053 will produce sharper and defined prints with excellent colour yield, brightness and handle. TEXIPOL 67-5053 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 ³	1.05
Thickened deionised water *	mPa s	30,000
Flow of thickener compositions		short
Polymer charge		anionic
Polymer compatibility		anionic/non-ionic
Flash point	°C	100

* Deionised water thickened with 2% of TEXIPOL 67-5053 as supplied. Brookfield RVT Spindle 6, 5 rpm at 25°C.

APPROVALS TEXIPOL 67-5053 is suitable for use in Öko-Text applications.

APPLICATIONS The polymers present in TEXIPOL 67-5053 are already in solution therefore thickening of printing paste formulations is almost instantaneous. TEXIPOL 67-5053 can be used in both the conventional and automatic colour kitchen methods. TEXIPOL 67-5053, if required, can be directly pumped and metered.

TEXIPOL 67-5053 can be used for preparing a thickener stock with or without other additives, except disperse 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 67-5053 is added to the stirring mixture of pre-weighed water, disperse 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.

Important formulating notes:

- Refer to TS2817 for generic starting point formulation.

Adjust pH of thickening to 6.5 - 7.5 using 5% caustic solution or 10% soda ash solution. Thickened paste has a viscosity of >25,000 cPs. 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 67-5053.

NOTE: The addition of 0.5% sodium hexametaphosphate is recommended to achieve reduction clearing, and use an equal amount in the first water wash.

PACKAGING

TEXIPOL 67-5052 is available in 120 kg polyethylene open topped kegs and 200 kg lacquer-lined open-topped drums.

STORAGE

TEXIPOL 67-5052 should be stored at temperatures between 5 - 40°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 67-5052 can be stored in glass, stainless steel, plastic or epoxy lined vessels. TEXIPOL 67-5052 should not be stored in mild steel, copper or aluminium containers.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet for further information.

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PerCent Club



Scott Bader Company Limited
Wollaston, Wellingborough, Northamptonshire, NN29 7RL
Telephone: +44 (0) 1933 663100 Facsimile: +44 (0) 1933 666529



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