



TEXIPOL[®] 63-237

Multifunctional synthetic thickener for pigment printing

INTRODUCTION

TEXIPOL 63-237 is one of a range of easy to use inverse emulsion thickeners designed specifically for pigment printing. All products in the range give sharp and well defined prints, high bleed/flush resistance, high wet and dry rub fastness, excellent color yield and brilliance and soft handle. **TEXIPOL 63-237** is designed to give optimum print performance on cotton, polyester blended fabrics and other fibrous materials.

TEXIPOL 63-237 is APEO free.

CHARACTERISTICS (Not to be taken as a specification)

Appearance		Creamy liquid
Relative density at 25°C / 77°F		~1.05
Inverse emulsion viscosity*	cps	1,000 - 4,500
Thickened deionized water**	cps	38,000 - 60,000
Flow of thickened compositions		Extremely short
Polymer charge		Anionic
Polymer compatibility		Anionic/non- ionic
Flash point	°C / °F	≥100 / ≥ 212
Optimal pH usage range		6.0 – 12.0

* Brookfield RVT, Spindle #7, 100 rpm at 25°C / 77°F.

** Deionized water thickened with 2% of **TEXIPOL 63-237**, as supplied.
Brookfield RVT, Spindle #6, 5 rpm at 25°C / 77°F.

APPROVALS

TEXIPOL 63-237 is suitable for use in Öko-Tex applications.

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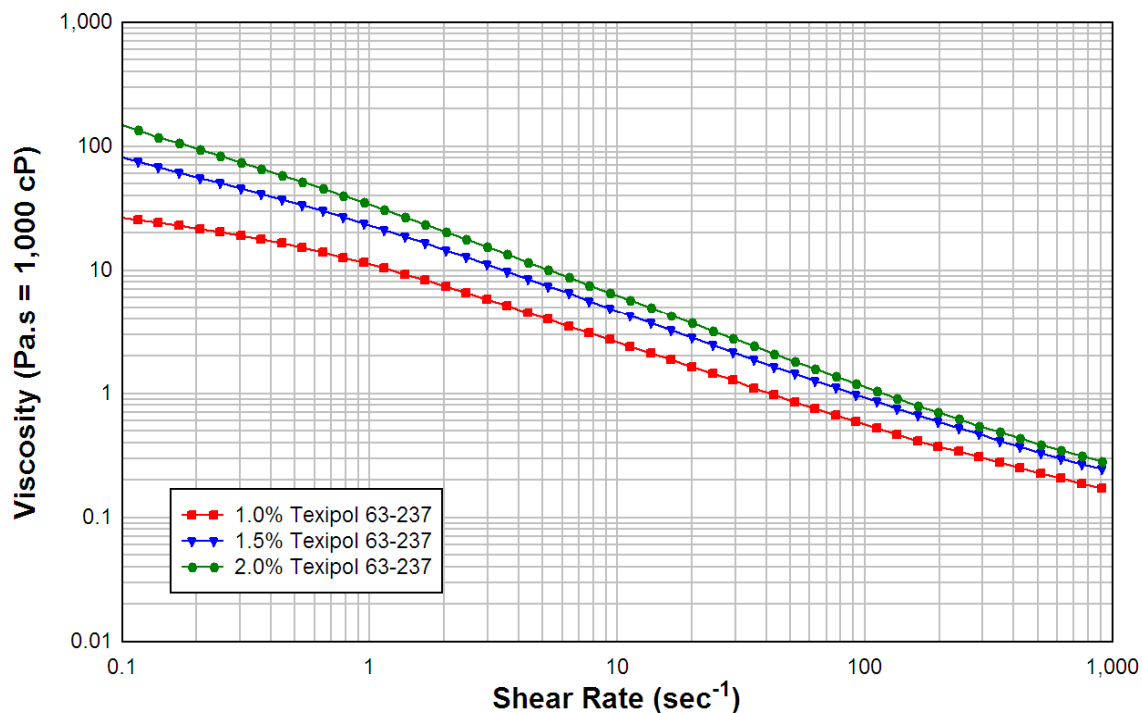
APPLICATIONS

TEXIPOL 63-237 is provided as a low viscosity, easy to use thickener which can be easily pumped and metered. It does not require the addition of ammonia or other alkaline additives and is compatible with a wide number of pigments and binders. **TEXIPOL 63-237** can be used over a wide pH range.

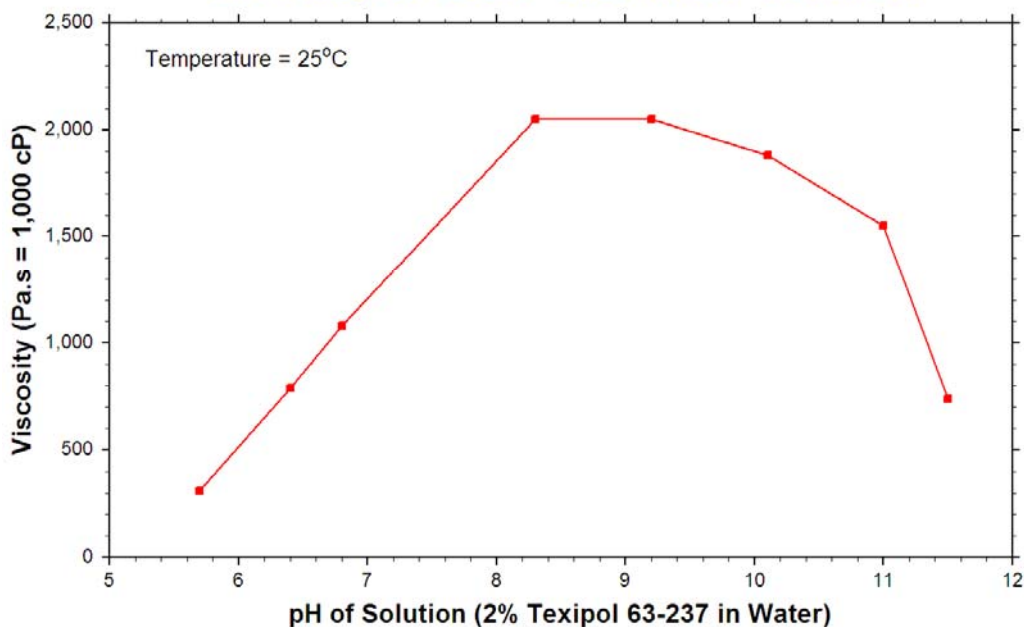
TEXIPOL 63-237 can be used for preparing a thickener stock (with or without ingredients, except color) or be added to a stirred mixture of pre-weighed water, pigment and binder. Thickening is generally achieved in less than 1 minute.

TEXIPOL 63-237 is suitable for printing using handscreens, rotary and flat bed printing machines. It is not uncommon for Texipol® inverse emulsions to separate over time. This does not in any way indicate that the material is unfit for use. We recommend that Texipol® be stirred prior to use using a low-shear mixing system (e.g. with a paddle or handheld mixer) to ensure that the material is uniform when added to a formulation. Further, for formulations with a low percentage of water and/or where a low level of Texipol® is required, we recommend that water be added to the Texipol® prior to addition to the formulation (roughly 4 - 7% of Texipol® in water). This will prevent the possibility of localized pockets of thickened water in the formulation.

Effect of 63-237 on Viscosity Profiles of Water [Without pre-shearing @ 25°C]



Effect of pH on the Viscosity of the 2% Texipol 63-237 and Water Solution



PACKAGING

TEXIPOL 63-237 is supplied in a 441 lb. net weight steel drum and is imported from the United Kingdom.

STORAGE

TEXIPOL 63-237 may be stored at temperatures between 5°-40°C / 41°F-104°F. If the product freezes it should be thawed completely by placing the container in a warm water bath and homogenized completely by mixing thoroughly before use. **TEXIPOL 63-237** can be stored in glass, stainless steel, plastic or epoxy lined vessels. It should not be stored in mild steel, copper or aluminum containers.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

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NOTICE

The information and recommendations in this publication are, to the best of our actual knowledge, reliable. Suggestions made concerning uses or applications are only the opinion of Scott Bader, Inc. and users of these products should make their own tests to determine the suitability of these products for their own particular purposes. Because of numerous factors beyond our control affecting the results of the use of these products, SCOTT BADER, INC. MAKES NO WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, OTHER THAN THAT THE PRODUCT CONFORMS TO IT'S APPLICABLE CURRENT STANDARD SPECIFICATION.

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