



TEXIPOL[®] 63-202

Anionic inverse emulsion thickener

INTRODUCTION

TEXIPOL 63-202 is an inverse emulsion thickener which imparts a short flow to a wide variety of aqueous and non-aqueous compositions and is effective over a wide pH range. **TEXIPOL 63-202** is supplied as an easy to use, low viscosity liquid which gives an almost instantaneous thickening effect on direct mixing into a composition. The polymer in **TEXIPOL 63-202** is already in solution (as the sodium salt) and therefore does not require any other additives to promote thickening e.g. alkali, surfactant etc.

TEXIPOL 63-202 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 - 4,000
Thickened deionized water**	cps	35,000 – 200,000
Flow of thickened compositions		Short
Polymer charge		Anionic
Polymer compatibility		Anionic / non-ionic
Flash point	°C / °F	≥100 / 212
Optimal pH usage range		5.5 – 11.0

* Brookfield RVT, Spindle #3, 20 rpm at 25°C / 77°F.

** Deionized water thickened with 4% of **TEXIPOL 63-202** as supplied. Brookfield RVT, Spindle #6, 5 rpm at 25°C / 77°F.

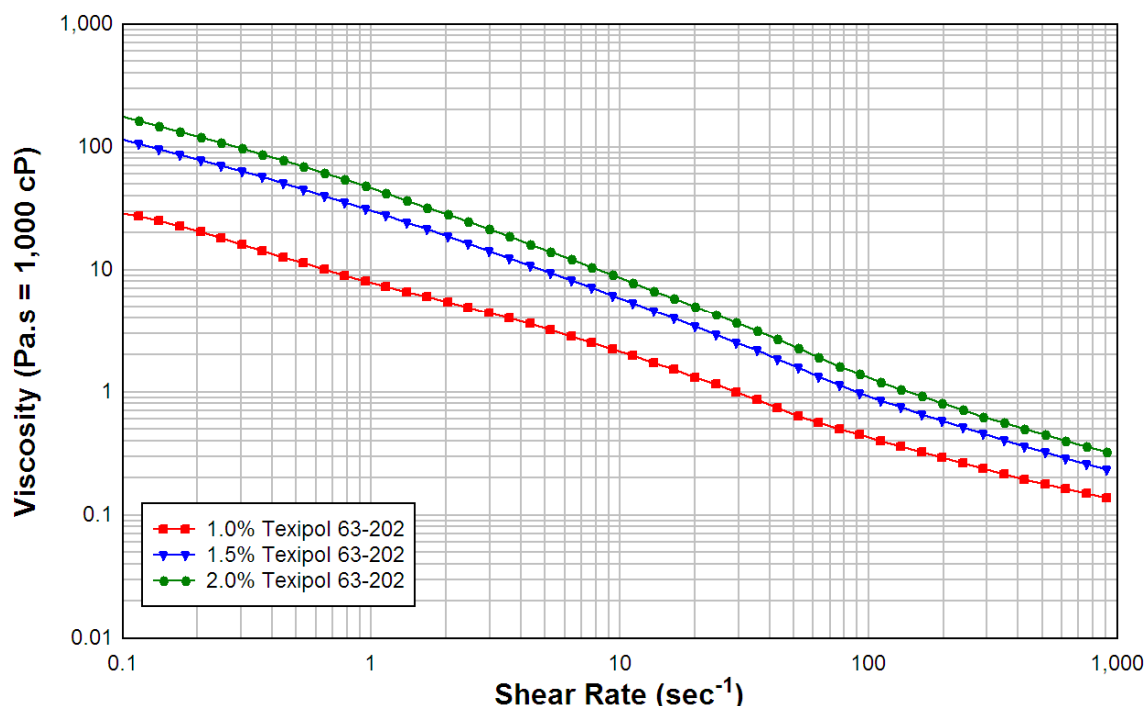
APPLICATIONS

TEXIPOL 63-202 can be used for thickening a wide variety of aqueous binder systems including PVA, EVA, SBR, PVdC, acrylic and styrene acrylic systems. It is also used in a number of aqueous based adhesive, sealant and coating formulations. **TEXIPOL 63-202** can thicken certain non-aqueous systems such as simple alcohols and glycols.

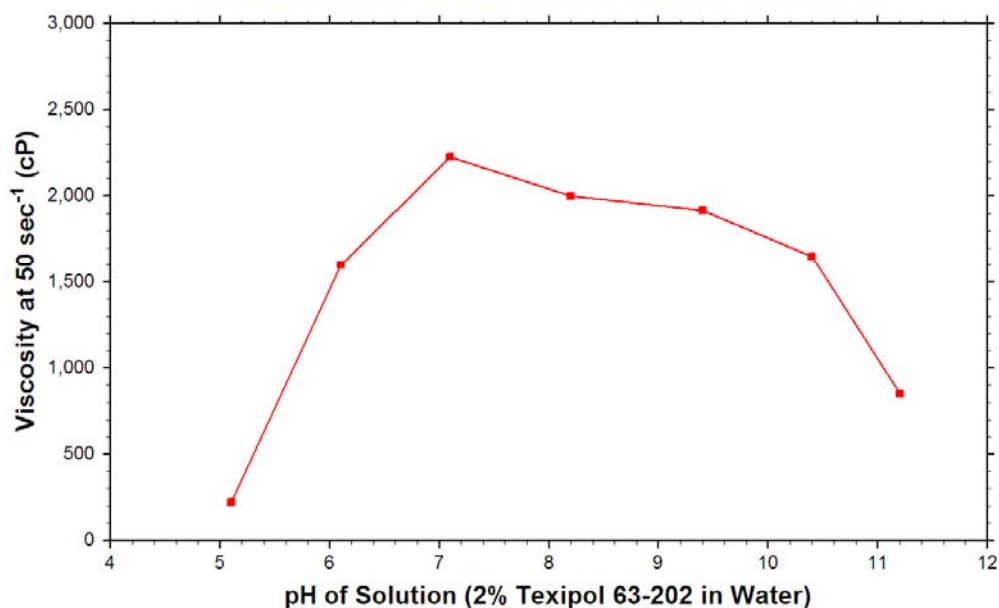
A good starting point is to add up to 4% of **TEXIPOL 63-202** (depending on the viscosity required) directly to the composition to be thickened and then homogenize the mix thoroughly. If the resultant mix is too thin add more of **TEXIPOL 63-202** and, if it is too viscous, add more unthickened composition and homogenize.

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 63-202 on Viscosity Profiles of Water [Without pre-shearing @ 25°C]



Effect of pH on the Viscosity of the 2% Texipol 63-202 and Water Solution



PACKAGING

TEXIPOL 63-202 is available in a 441 lb. net weight steel drum and is imported from the United Kingdom.

STORAGE

TEXIPOL 63-202 should be stored at temperatures between 5-40°C / 40-105°F. If the product freezes, thaw completely by placing the container in a warm water bath and homogenize completely before use. **TEXIPOL 63-202**, can be stored in glass, stainless steel, plastic or epoxy-lined vessels. **TEXIPOL 63-202** 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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