



TEXIPOL[®] 63-253

Anionic inverse emulsion thickener

INTRODUCTION

TEXIPOL 63-253 is an inverse emulsion thickener which imparts a very short flow to a wide variety of aqueous and non-aqueous compositions and is effective over a broad pH range. **TEXIPOL 63-253** is supplied as an easy to use low viscosity liquid which gives an almost instantaneous thickening effect on direct mixing into the composition. The polymer in **TEXIPOL 63-253** 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 63-253** has been found useful for thickening wallpaper pre-paste adhesives, high build/textured coatings, water based building adhesives and PVA adhesives. It is also possible to thicken certain non-aqueous systems such as simple alcohols and glycols.

TEXIPOL 63-253 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 | ≤5,000 |
| Thickened deionized water** | cps | ≥150,000 |
| Flow of thickened compositions | | Very short |
| Polymer charge | | Anionic |
| Polymer compatibility | | Anionic / non-ionic |
| Flash point | °C / °F | ≥100 / 212 |
| Optimal pH usage range | | 6.0-11.0 |

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

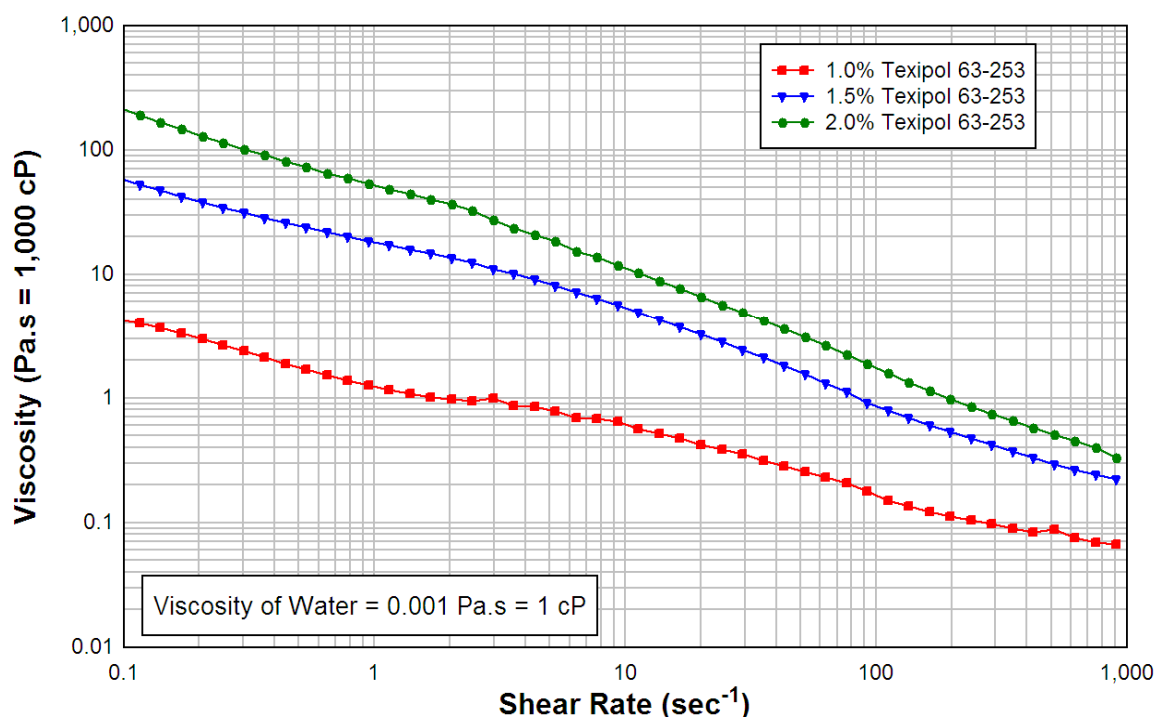
** Deionized water thickened with 4% of **TEXIPOL 63-253** as supplied. Brookfield RVT, Spindle #6, 5 rpm at 25°C / 77°F.

APPLICATIONS

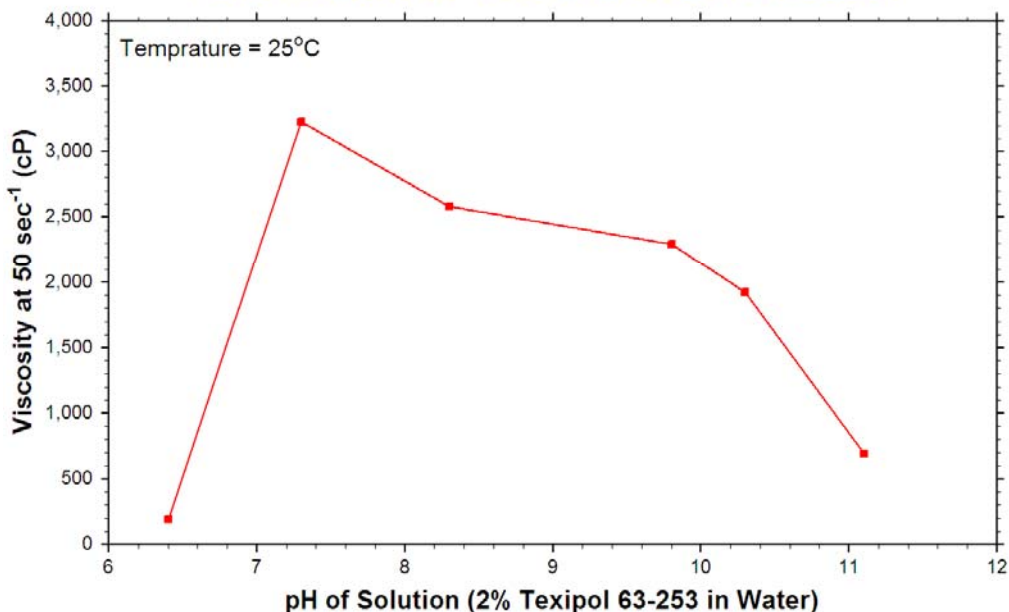
A good starting point is to add 4% of **TEXIPOL 63-253**, as received to the composition requiring thickening and homogenize thoroughly. If the resultant mix is too thin add more of **TEXIPOL 63-253** and, if it is too viscous, add more unthickened composition and homogenize.

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.

Viscosity Profiles of Water with Texipol 63-253 [Without pre-shearing @ 25°C]



Effect of pH on the Viscosity of the 2% Texipol 63-253 and Water Solution



PACKAGING

TEXIPOL 63-253 is available in a 441 lb. net weight steel drum and is imported from the United Kingdom.

STORAGE

TEXIPOL 63-253 should be stored at temperatures between 5-30°C / 41-86°F. If the product freezes, thaw completely by placing the container in a warm water bath and homogenize completely before use. **TEXIPOL 63-253** can be stored in glass, stainless steel, plastic or epoxy-lined vessels. **TEXIPOL 63-253** 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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