

Technical Data Sheet

PRODUCT OVERVIEW

TEXIPOL® 63-510 is an inverse emulsion thickener that imparts a highly pseudoplastic rheology to aqueous based compositions. It is supplied as a pre-neutralised dispersion as the sodium salt of an acrylic copolymer and shows thickening over a very wide pH range of 2-12.

PHYSICAL PROPERTIES

(Not to be taken as a specification)

Appearance	Creamy Liquid
Specific Gravity at 25°C	1.05
Inverse Emulsion Viscosity (Brookfield RVT, Spindle 3, 20rpm at 25°C)	3000 mPa s
Thickened Deionised Water	>100,000 mPa s
Polymer Charge	Anionic

*Deionised water thickened with 4% of TEXIPOL® 63-510 as supplied. Brookfield RVT, Spindle 6, 5 rpm at 25°C.

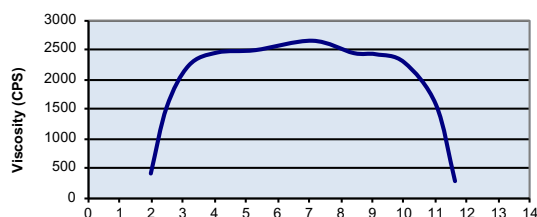
APPLICATIONS

TEXIPOL® 63-510 is supplied as an easy to use, low viscosity liquid that gives almost instantaneous thickening when mixed directly into aqueous formulations. As the polymer is already in solution it does not require any neutralisation or addition of other additives to promote thickening.

TEXIPOL® 63-510 can thicken both acidic and alkaline compositions and gives stable thickening in various organic acids such as citric and glycolic acid. It will also thicken phosphoric acid effectively. Thickening is normally achieved quite quickly, but in stronger acid and alkaline environments maximum thickening may take somewhat longer.

TEXIPOL® 63-510 has been used to thicken various water-based adhesives and coating systems where it gives an exceptional creamy consistency. It has also been possible to thicken aqueous blends with N-methylol pyrrolidone and other polar solvents. Typical thickener dosages are 0.5-2.0%, though this is system dependent and higher paste viscosities may require higher addition levels.

Texipol® 63-510 pH profile, 2% in water



PACKAGING AND STORAGE:

TEXIPOL® 63-510 is available in drums and IBCs (please check with your local representative).

TEXIPOL® 63-510 should be stored between 5 and 30°C in the original, unopened container in a dry, well ventilated place. Protect from freezing and direct sunlight.

HEALTH AND SAFETY

Please see separate material safety data sheet.

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