

# POLIDENE<sup>®</sup> 33-086

## Vinylidene chloride copolymer

**INTRODUCTION** POLIDENE 33-086 is self crosslinking acrylic ester / vinylidene chloride copolymer, specially developed as a low flammability binder for textile applications.

POLIDENE 33-086 is APEO free.

**CHARACTERISTICS (Not to be taken as a specification)**

Solids content	%	55
Viscosity at 25°C (Brookfield RVT, Spindle 2, 50 rpm)	mPa.s	100
pH*		4.5
Particle size	nm	250
Specific gravity @ 25°C		1.12
Emulsifying system		Anionic
Minimum film formation temperature**	°C	<2
Glass transition temperature	°C	-4

\* The pH of POLIDENE 33-086 (like all PVdC emulsions) falls slowly. Adjustment should be made, with ammonia solution. Additions should not exceed 50cm<sup>3</sup> of 35% amm. solution in 1 litre of water per 225kg drum of emulsion. Any water used to dilute the emulsion, should be free from iron in order to avoid discolouration.

\*\* Determined by metal bar with temperature gradient.

**APPLICATIONS**

POLIDENE 33-086 has been developed as a low flammability binder for the backcoating of upholstery fabrics. It has good adhesion to synthetic fibres and excellent wash resistance and may be used in many textile applications where a low flammability binder is required such as non-wovens or textile printing.

POLIDENE 33-086 is easily crosslinked by the application of heat. Normal curing conditions are 130-150°C for 2 to 4 minutes.

**PACKAGING**

POLIDENE 33-086 is supplied in drums. Bulk supplies are delivered by road tanker.

**STORAGE**

POLIDENE 33-086 can be stored in the containers in which it is supplied. Contact with common metals such as mild steel, copper, zinc, or aluminium should be avoided.  
Protect from frost.

**HEALTH & SAFETY**

Please see separate Material Safety Data Sheet.

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