



POLIDENE[®] 33-075

Vinylidene chloride copolymer

INTRODUCTION

POLIDENE 33-075 is an aqueous emulsion of a vinylidene chloride copolymer. It is recommended as a base emulsion for use in the manufacture of high gloss and other types of emulsion paints as well as coatings requiring flame or fire resistance.

Start point formulas available.

CHARACTERISTICS

(Not to be taken as a specification)

| | | |
|---|---------|---------------------|
| Solids content | % | 55 ± 1 |
| Viscosity at 25°C (Brookfield RVT, Spindle 2, 50 rpm) | cps | 50 - 300 |
| pH* | | 3.0 - 5.0 |
| Particle size | nm | 300 |
| Relative density at 25°C | | 1.17 |
| Emulsifying system | | Non-ionic / Anionic |
| Tg (measured) | °C / °F | 18 / 64 |
| MFFT** | °C / °F | 14 / 57 |

* The pH of **POLIDENE 33-075** (like all similar PVdC emulsions) tends to fall slowly. Adjustment should be made, if required, with ammonia solution. Irreversible discoloration of the emulsion may result if the pH is raised above 5.0. For this reason, under no circumstances should any one such addition exceed 50 mL of 35% ammonia solution in 1 quart of water per 495 lb. drum of emulsion. This water, and any water used to dilute the emulsion, should be free from iron in order to avoid discoloration.

APPLICATIONS

** Determined by metal bar with temperature gradient.
POLIDENE 33-075 has been specially developed for use as a binder in waterbased gloss paint formulations.

POLIDENE 33-075 has been formulated to give high levels of gloss, flow and exterior durability. Other applications are in semi-gloss, fire retardant and speciality surface coatings where chemical resistance and good flexibility are required.

PACKAGING

POLIDENE 33-075 is supplied in a 495 lb. net weight drum and is imported from the United Kingdom.

STORAGE

POLIDENE 33-075 may be stored in the plastic containers in which it is supplied. Contact with common metals such as mild steel, copper, zinc, or aluminum should be avoided.

Protect from temperatures below 40°F.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

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NOTICE

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