

# Milliken® Polidene® 777

## TECHNICAL DATA

### Description

Polidene® 777 is an aqueous anionic copolymer emulsion designed for use in the production of specialty paints and protective coatings.

### Applications

- Fire retardant and intumescent fire retardant finishes
- Interior/exterior trim paints
- Metal primers

### Storage

Protect from the effects of weathering and light. Store at temperatures between 5 and 30 °C. Once opened, containers should be resealed immediately after each removal of the product. Contact with common metals such as mild steel copper, zinc, or aluminum should be avoided.

### Features

- Flame and fire retardant
- Oxygen and moisture barrier
- Low surface tension for excellent wet out
- Good scrub resistance under all conditions
- Retention of film flexibility on aging
- Rheological properties permit spray, roller or flow coat application

### General Characteristics

<b>Appearance</b>	Creamy white
<b>Non-Volatile Content</b>	55%, 110 °C, 1h (Filter Papers)
<b>pH</b>	4.0 neat, pH meter
<b>Density</b>	1.17 g/cm <sup>3</sup> , 25 °C
<b>Viscosity*</b>	15 cps
<b>Surface Tension</b>	34 dynes/cm
<b>MFFT</b>	15 °C
<b>Alcohol Tolerant</b>	Yes
<b>Recommended Shelf Life</b>	180 days (unopened containers at 25 °C)

\*Brookfield (25 °C) RV8, Spindle #1, 20 rpm

### Safety and Handling

Please refer to our safety data sheet for information relating to product safety.

**Please contact your Milliken representative for further product information including chemical registrations, food contact status, and other regulatory details.**

PLEASE NOTE: As each customer's use of our product may be different, information we provide, including without limitation, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at [www.milliken.com/terms](http://www.milliken.com/terms) (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.

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