

Styrofan[®] 4306

Chemical Nature

Aqueous dispersion of a carboxylated styrene/butadiene copolymer used in coating formulations.

Properties

Typical Properties

| | | |
|--|-----|--------|
| Solids content | % | ~ 52.5 |
| pH value | | ~ 7.0 |
| Viscosity at 23 °C (Brookfield RV, Spindle #2, at 20 rpm) | cps | ~ 500 |

Other properties of the dispersion

| | | |
|-----------------|---------|---------|
| Density | lbs/gal | ca. 8.3 |
| Dispersion type | | anionic |

Properties of the film

| | | |
|---------------------------------------|----|---|
| Glass transition temperature (DSC) | °C | 8 |
|---------------------------------------|----|---|

Compatible with

Styrofan 4306 is compatible with other substances commonly used in coatings and saturation applications.

Thickeners

Rheovis[®] AS 1125, Rheovis[®] HS 1152 and casein solutions

* These typical values should not be interpreted as specifications.

Application

Processing

Styrofan 4306 is a frothable dispersion. Its dried films are very strong and exhibit excellent water resistance.

Styrofan 4306 demonstrates excellent runnability in coating applications.

- Styrofan 4306 is ideally suited for binder applications.

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Styrofan 4306.

Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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