

Adhesives

Technical Data Sheet

Styrofan[®] NX 6690 X



Chemical Nature

Styrofan[®] NX 6690 X is carboxylated styrene/butadiene dispersion.

Properties

Typical Properties

| | | |
|--|-----|-------------|
| Solids content | % | ~ 52.5 |
| pH value | | ~ 7.9 |
| Viscosity at 23 °C (Brookfield RV, Spindle #2, at 20 rpm) | cps | ~ 300 – 600 |

Further properties of the dispersion

| | | |
|------------------------|-------------------|--------------|
| Density | g/cm ³ | approx. 1.01 |
| Bound styrene | % | ca. 63 |
| Residual monomer | % | 0.0035 max |
| Freeze/thaw resistance | | not stable |

Properties of the film

| | | |
|--|----|--------|
| Glass transition temperature T _g (DSC) | °C | ca. 11 |
|--|----|--------|

Applications

Styrofan[®] NX 6690 X is a low odor, ammonia free dispersion that is used in the formulation of laminating adhesives. It provides toughness and water resistance in the finished formulation.

Styrofan[®] NX 6690 X is a low odor and an ammonia free dispersion.

Processing

We recommend adding a preservative to adhesives and coating materials that contain Styrofan[®] NX 6690 X to protect them from microbial attack, particularly if their pH lies in the neutral range. The suitability of such additives must be verified and monitored in trials.

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.

Material Safety Data Sheet

All safety information is provided in the Material Safety Data Sheet for Styrofan[®] NX 6690 X.

Storage

Styrofan® NX 6690 X has a shelf life of six months from delivery date, provided it is stored in accordance with the "Handling and Storage of polymer dispersions" brochure. Technical information regarding the storage of BASF polymer dispersion products is available upon request

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