

Styrofan[®] NX 1492

Chemical Nature

Aqueous carboxylated styrene-butadiene copolymer dispersion for use in waterproofing applications

Properties

Typical Properties

Solids content	%	49.0 – 51.0
pH		8.0 – 9.0

Other properties of the dispersion

Density	g/cm ³ lbs/gal	ca. 1.00 ca. 8.3
Viscosity at 23 °C (Brookfield RV, Spindle #2, at 100 rpm)	cps	ca. 200
Average particle size	µm	ca. 0.2
Film-forming temperature	°C	<1 min.
Dispersion type		anionic
Plasticizer content		plasticizer-free
Antioxidant		non-staining
Sensitivity to freezing	°C	do not freeze
Inorganic filler compatibility		good

Properties of the film

Glass transition temperature(Tg)	°C	ca. -10
Density	g/cm ³	ca. 1.00
Mechanical properties* at 23 °C		
Tensile strength	psi	ca. 250
Elongation at break	%	ca. 625
Surface tack		slight

Application

Fields of application

Styrofan NX 1492 is used for coating green concrete (blocks, moldings and in-situ concrete), and acts as a humectant. If it is used as a curing agent, it prevents premature drying of green concrete. Styrofan NX 1492 forms films with excellent water resistance and very good MVT values for barrier coatings over concrete.

Styrofan NX 1492 has good compatibility with inorganic fillers, therefore allowing for easier formulating and compounding where desired.

It is usually necessary to disperse the fillers and pigments with sufficient wetting and dispersing.

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 NX 1492.

Storage

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

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