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# Technical Information

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## Polyquart® Pro A

Acrylic copolymer, Na-Salt,  
polymer additive for hard surface modification.

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® = Registered trademark of BASF in many countries.



Supplied by:

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 **BASF**

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**Chemical Character**

Aqueous solution of an Acrylic copolymer, Na-Salt. Polyquart® Pro A is preserved with max. 0.49% 2-phenoxyethanol and 49 ppm 1,2-benzisothiazol-3(2H)-one.

**PRD-No.\***

30539214

\* BASF's commercial product numbers.

**Appearance**

Polyquart® Pro A is a clear, slightly cloudy, colorless till yellowish to brownish liquid at room temperature and tends to form sediment in the coldness.

**Handling and Storage****Handling**

- a) Polyquart® Pro A should be stored indoors in a dry place in its original sealed packaging. Storage rooms must have a maximum temperature of + 40 °C. It is advisable to tightly seal any opened container if they have only been partly emptied. Drums must be resealed after each time they are opened.
- b) Polyquart® Pro A is frost sensitive! The storage temperature must be between min. + 5 °C. and max. + 40 °C. Storage temperatures below + 5 °C destroy the product properties. This is an irreversible process.
- c) Drums that contain solidified product or liquid that have begun to precipitate or separate should be reconstituted by gentle heating, preferably in a heating cabinet. The temperature must not be allowed to exceed max. + 40 °C. It must be mixed sufficiently prior to use. This also applies if drums are heated by external electrical elements. Internal electrical elements should not be used because of the localized anomalies in temperature that they can cause.
- d) To avoid discoloration, Polyquart® Pro A must be blanketed with nitrogen if it is stored in heated tanks (max. + 40 °C) to prevent it from coming into contact with air. Constant, gentle stirring helps to prevent it being discolored as a result of prolonged contact with electrical elements or external heating coils. Polyquart® Pro A must be protected from sunlight and high temperatures to avoid discoloration and the formation of surface films.
- e) Please refer to the latest Safety Data Sheet for detailed information on product safety.

**Shelf life**

Provided it is stored properly and drums are kept tightly sealed, Polyquart® Pro A has a shelf life of 18 months in its original packaging.

**Materials**

The following materials can be used for handling and storage:

- a) Stainless steel 1.4541 – AISI 321 (X6 CrNiTi 18-10)
- b) Stainless steel 1.4571 – AISI 316 Ti (X6 CrNiMoTi 17-12-2)
- c) Stainless steel 1.4306 – AISI 304 L (X2 CrNi 19-11)
- d) HDPE – high density polyethylene
- e) LDPE – low density polyethylene

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## Properties

Some physical properties are listed in the table below. These are typical values only and not all of them are monitored on a regular basis. They are correct at the time of publication and do not necessarily form part of the product specification. A detailed product specification is available on request or via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).

Polyquart® Pro A	Unit	Value
Physical form (25 °C)		liquid
Concentration (dry content) (ISO 3251, 1 g, 110 °C, 2 h)	%	approx. 22
pH value (EN 1262, 25 °C, as is)		approx. 6.5
Viscosity (ISO 2555, Brookfield RVT, 25 °C, as is)	mPa·s	approx. 250
Density (DIN 51757, 25 °C)	g/cm <sup>3</sup>	approx. 1.03
Water content (100%-dry content)	%	approx. 78

## Safety and Labeling

Please refer to the safety data sheet for information on classification & labeling, safe use, handling and transport.

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