

VIACRYL[®] SC 6823w/46WA

PRELIMINARY PRODUCT INFORMATION

TYPE

Solvent- and alkylphenoethoxylat-free, self-crosslinking styrene-acryl-dispersion

FORM OF DELIVERY (f.o.d.)

46 % in water (46WA)

Neutralization agent

0,3 % N,N-dimethylethanolamine, as salt

TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

dynamic viscosity [mPa.s] 50 - 300
(25 1/s; 23 °C)

pH-Value DIN ISO 976

pH-value 7 - 8,5
(10 %)

Non-Volatile Matter DIN EN ISO 3251

non-volatile matter [%] 44,5 - 47,5
(1 h; 125 °C; 1 g)

Not continually determined:

Colour / Appearance VLN 250

colour whitish

Minimum Temperature of Film Formation DIN ISO 2115

minimum temp. of film form. [°C] 76
approx.

Density (Liquids) DIN EN ISO 2811-2

density [g/cm³] 1,05
approx.
(20 °C)

Flash Point (Pensky-Martens) DIN EN ISO 2719

flash point [°C] >100

DEVELOPMENT PRODUCT

This product is serving for trial purposes only. Deviations which might occur during transfer into manufacturing in a commercial scale are possible and do not constitute any material defect.

SPECIAL PROPERTIES

- rapid drying
- high hardness
- excellent chemical resistance
- excellent water resistance

SUGGESTED USES

Viacryl SC 6823w/46WA is a solvent-free dispersion, specially developed for adhesion on various plastic substrates incl. PS and HIPS. Viacryl SC 6823w/46WA shows high film hardness and excellent chemical resistance and is used in e. g. metallic effect monocoats for teletronics.

For proper film formation a coalescent agent like MPP, NMP, NEP, BDG or BG is required.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 365 days.

It is important to protect Viacryl SC 6823w/46WA from frost; at low temperatures it has therefore to be stored under frostproof conditions.

If Viacryl SC 6823w/46WA is stored at temperatures above 25 °C occasionally skin formation has been observed.

Lowest storage temperature: 0 °C

DISTINGUISHING FEATURES

Contrary to Viacryl VSC 6295w, Viacryl SC 6823w/46WA shows excellent adhesion also on PS and HIPS.

REMARK:

Data contained in this publication are based on careful investigations (and are intended for information only). Due to scale up of this product there is not yet sufficient experience concerning serial production. We can therefore not exclude, that based on future knowledge product data and other indicated properties in upcoming Technical Data Sheets will be subject to change. We reserve the right to leave the product name unchanged, even if product data or other indicated properties will vary from the present product info. Regardless of the data contained in this publication any user is obliged to carry out tests under his own responsibility as to the suitability of the product for a particular use and to investigate the possible violation of industrial property rights of third parties. Information is therefore not binding and cannot be construed as guaranteeing specific properties of products. We apply our General Sales Conditions.

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