

PRELIMINARY PRODUCT INFORMATION

TYPE

Hydroxy-functional acrylic polymer; cross-linkable with polyisocyanates

FORM OF DELIVERY (f.o.d.)

65% in xylene/butyl acetate (65XBAC)

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.

Average hydroxyl content (solid resin)

approx. 3,3 %

TENTATIVE PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219

| | | |
|--------------------------------------|---------|-------------|
| dynamic viscosity (25 1/s; 23 °C) | [mPa.s] | 2500 - 3500 |
|--------------------------------------|---------|-------------|

Colour Scale (Hazen) DIN EN ISO 6271-1

| | | |
|--------------------|--|-------|
| Hazen colour value | | <=100 |
|--------------------|--|-------|

Hydroxyl Value DIN EN ISO 4629 (VLN 283)

| | | |
|--|------------|-----------|
| hydroxyl value (solid matter content) | [mg KOH/g] | 100 - 120 |
|--|------------|-----------|

Non-Volatile Matter DIN EN ISO 3251

| | | |
|--|-----|---------|
| non-volatile matter (1 h; 125 °C; 2 g; ethyl acetate) | [%] | 63 - 67 |
|--|-----|---------|

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2

| | | |
|-------------------------------|----------------------|------|
| density approx. (20 °C) | [g/cm ³] | 1,01 |
|-------------------------------|----------------------|------|

Flash Point DIN EN ISO 1523

| | | |
|------------------------|------|----|
| flash point approx. | [°C] | 26 |
|------------------------|------|----|

Colour / Appearance VLN 250

| | |
|------------|-------------------------------|
| colour | colourless to light yellow |
| appearance | clear |

SPECIAL PROPERTIES AND USE

Macrynal SM 2892, in combination with aliphatic polyisocyanates, produces high quality, flexible two-pack clearcoats and pigmented topcoats. The cured films provide a good balance of flexibility and hardness, additionally, such films show superior weathering stability.

Due to its broad compatibility with other acrylic polyols Macrynal SM 2892 is especially qualified for use as combinatorial resin in order to improve flexibility also at lower temperatures.

STORAGE

At temperatures up to 25 °C storage stability packed in original containers amounts to at least 730 days.

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.