

# **MODAFLOW®** Resin

**Technical Datasheet** 

## TYPE

Acrylic flow modifier, without silicone addition

#### FORM OF DELIVERY (f.o.d.)

SPECIAL PROPERTIES AND USE

approx. 100 %

### PRODUCT DATA

| Determined per batch:                          |                      |                               | Suitable for radiation curing systems.  |
|--|----------------------|-------------------------------|---|
| Colour / Appearance VLN 250                    |                      |                               | Flow modifier for non-aqueous industrial coatings and powder coatings.  |
| colour   |                      | colourless to<br>light yellow | Using of Modaflow Resin in non-aqueous industrial coatings can significantly<br>improve the properties of unmodified resins as follows: |
| Dynamic Viscosity DIN EN ISO 3219              |                      |                               | - Improve flow and leveling   |
| dynamic viscosity                              | [mPa.s]              | 60000 - 160000                | - Reduce pinholes, fisheyes, craters and orange peel  |
| (10 1/s; 23 °C)                                |                      |                               | - Improve substrate wetting   |
|  |                      |                               | - Maintain or improve substrate adhesion  |
| Colour Scale (Hazen) DIN EN ISO 6271-1         |                      |                               | - Defoam and aid in air release   |
| Hazen colour value                             |                      | <= 80                         | - Facilitate pigment dispersion   |
| Refractive Index DIN 53491                     |                      |                               |   |
| refractive index                               |                      | 1,4645 - 1,4670               | Modaflow resin is also effective in eliminating pinholes and craters in epoxy,  |
| (25 °C)  |                      |                               | polyester, hybrid, urethane, and acrylic powder coatings.<br>Modaflow resin does not contain silicone ingredients. Modaflow Resin is    |
|  |                      |                               | regulated by the U.S. Food and Drug Administration (FDA) for indirect food  |
| Gel Particles (Modaflow) VLN 261<br>sediment   |                      | <= 20                         | contact applications under several parts of Title 21, Code of Federal   |
| seament  |                      | <= 20                         | Regulations. Details on specific coverage are available upon request.   |
| Not continually determined:                    |                      |                               |   |
| ,  |                      |                               | Quantity to be added: 0,1 - 2,0 % on solid resin  |
| Dynamic Viscosity (Brookfield) DIN EN ISO 2555 |                      |                               |   |
| dynamic viscosity                              | [mPa.s]              | 60000 - 160000                |   |
| (7; 20 1/min; 25 °C)                           |                      |                               | STORAGE   |
| Density (Liquids) DIN EN ISO 2811-2            |                      |                               | At temperatures up to 25 °C storage stability packed in original containers   |
| density  | [g/cm <sup>3</sup> ] | 0,99 - 1,03                   | amounts to at least 1460 days.  |
| (20 °C)  |                      | - *                           |   |
| Flash Point (Pensky-Martens) DIN EN ISO 2719   |                      |                               |   |
| flash point                                    | [°C]                 | 137                           |   |
| approx.  |                      |                               |   |
|  |                      |                               |   |

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