

# **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 light yellow	Using of Modaflow Resin in non-aqueous industrial coatings can significantly 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. 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 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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