VIACRYL® SC 175w/40WAIP

Technical Datasheet

TYPE

Water dilutable acrylic resin

FORM OF DELIVERY (f.o.d.)

40 % in water/isopropanol (40WAIP)

USE

Binder for water dilutable flexographic and special gravure printing inks

PRODUCT DATA

Determined per batch:

Dynamic Viscosity DIN EN ISO 3219		
dynamic viscosity (25 1/s; 23 °C)	[mPa.s]	550 - 850
pH-Value DIN ISO 976		
pH-value (20 %)		7,5 - 8,0
Non-Volatile Matter DIN EN ISO 3251		
non-volatile matter (1 h; 125 °C; 1 g)	[%]	38,5 - 41,5

Not continually determined:

Density (Liquids) DIN EN ISO 2811-2		
density approx. (20 °C)	[g/cm³]	1,04
Flash Point DIN EN ISO 1523		
flash point approx.	[°C]	23

SUGGESTED USES

Viacryl SC 175w is a binder designed to formulate water dilutable flexographic and special gravure printing inks with high gloss, good abrasion resistance and fast drying.

PROCESSING

Viacryl SC 175w is adjusted to formulation viscosity with deionized water or blends of deionized water and alcohol. When manufacturing printing inks Viacryl SC 175w can either be blended with powdered pigments and milled on suitable grinding equipment or added directly to the Flexonyl pigment preparation. In the latter case we strongly recommend to add the diluted Viacryl SC 175w by carefully stirring it into the Flexonyl pigment preparation.

The formulated printing ink can be adjusted with deionized water to processing viscosity. The pH value of approx. 8 will generally not change. It should, however, be controlled and if necessary corrected.
When used on fast running printing machines the use of a suitable defoamer may be necessary.

STORAGE

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

Viacryl SC 175w is freeze thaw stable; however, at very low temperatures it must be thawed to return the product to usable viscosities.