

Product

Feb 2024

**Silicon Additive RC220****Product description**

RC220 is a multifunctional silicone additive for UV curable inks and coatings. The acrylate functionality gives a permanent binding into the UV- matrix with long- lasting effects. RC220 Improves the surface and physical properties. It can be cured under atmospheric and nitrogen conditions. UV curing under nitrogen conditions enhances the crosslinking significantly and gives excellent properties. The addition level depends on the application and the formulation used. Sufficient UV output and proper curing condition have a decisive influence for good results.

**Features**

- Improves flow and leveling.
- Good miscibility with acrylic monomers and prepolymers.
- Moderate release effect.
- Moderate slip.
- High mechanical resistance.
- Addition levels: > 0,5%; levels are determined through laboratory tests.
  
- Acrylated PDMS
- Viscosity: 250 mPa.s
- Active substance: 100%

**Precautions**

Addition to inks and coatings as supplied. RC220 needs to be stirred well into the formulation. RC220 can be stored in a dry environment with temperature between 5 – 40 °C. The shelf life is 12 months from date of production. Close container immediately after usage

**Background**

The information is based on our experience. Because of the differences in materials for printing, processing conditions and test criteria this information can only be of an advisory nature. Our data reflect the latest state of our knowledge and are based on the characteristics established in the laboratory and on practical experience. Your own tests with the original materials under the respective conditions are indispensable. We disclaim any liability for applications for which this product is not foreseen. The user must determine under his own production conditions if the product meets his requirements.