UV Varnishes Low Migration

Our low migration UV varnishes are qualified for the surface finishing, the surface protection or the surface pretreatment, especially for thermal transfer printing and heat sealing.
Low migration means, that the potential of the low weight molecular to migrate is as low as possible.[4]
Our varnishes show excellent processabilty and printing properties.
For optimum curing of our UV varnishes a UV unit (source: mercury vapor lamp) with a lamp output of minimum 120W/cm is recommended.
This varnishes are suitable for the use in food packaging (indirect food contact) and other sensitive applications.[5]

Storage	Additives [1]	Production
Storage stability in original packaging when stored between 15° and 25°C is 9-12 months. Caution: Protect varnishes from direct sunlight.	9241 PR Antifoam	Special modifications are available on request.
Packaging	**Safety data sheet**	**Hazardous Substances Statement**
10 kg Can 200 kg Drum	Safety data sheet on request	See safety data sheet

Produkt-Code	Descrption	Viscosity 23°C	Gloss [2]	Surface tension	Yellowing	Glueing	Hot Foil Stampable	Application
Gloss Varnishes								
PR 9650 MA	UV High Gloss Varnish	60s/4mm	90	<30	⊖	⊖	⊖	Gloss varnish for paper and film with excellent slip and high chemical resistance.
PR9687 MA	UV Gloss Varnish	90s/4mm	75	<30	⊖	⊖	⊖	Gloss varnish for paper and film, excellent slip and extreme high chemical resistanc.
Matt Varnishes								
PR 9616 MA	UV Matt Varnish	35s/6mm	12	36	⊖	⊕	⊕	Matt varnish for paper and film, good abrasion resistance, good chemical resistance, good slip, overprintable with thermal transfer tapes[3].
PR 9518 MA	UV Matt Varnish	65s/6mm	7	< 38	⊖	⊕	⊕	Matt varnish with extreme matt surface, high abrasion resistance and general resistance.

TT Varnishes [3]

PR 9684 MA	UV High Gloss Varnish TT overprintable	100s/4mm	90	30	⊖	⊕⊕	⊕⊕	UV varnish with average slip, overprintable with thermal transfer tapes.
PR 9688 MA	UV Gloss Varnish TT overprintable	90s/4mm	89	30	⊖	⊕⊕	⊕⊕	UV varnish with high slip, overprintable with thermal transfer tapes.

[1] The addition of additives changes the properties of UV coatings (in particular TT-varnishes) and are use after consultation with our technicians. All UV coatings basically have to be well stirred.
[2] Gloss grade: 90 – 100 ≙ High gloss 65 – 90 ≙ Gloss 35 – 65 ≙ Semi 5 – 35 ≙ Matt
[3] Suitability for hot stamping and printing with thermal transfer tapes should be tested under realistic conditions.
[4] The potential to migrate depends on the curing and the barrier effect of the substrat.
[5] The final qualification of the whole food packaging must be determine in an accredited laboratory.

⊕⊕⊕ very good suitable ⊕⊕ good suitable ⊕ limited suitable ⊖ not suitable

The information contained in this leaflet are intended as guidelines. They are based on experience after thorough testings in the laboratory and testings under realistic conditions. The contents are not legally binding.

Stand: November 2015