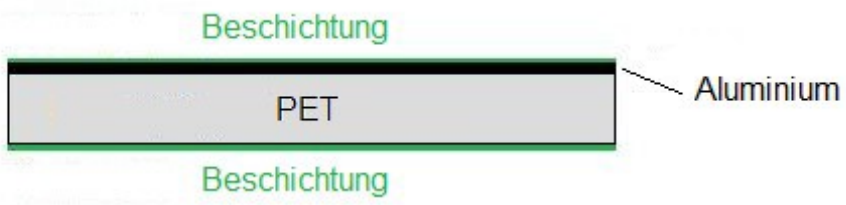
50810 - 50812 Holographic Silver Glitter

Chemical composition: Color coated aluminium metallized and laminated PET film.

Polyester:	approx. 90 – 95 %, CAS No. 25038-59-9
Coating:	Epoxy coating approx. 5 – 10 %
Aluminium:	0.1 %, CAS No. 7429-90-5
Coloring:	1 – 3 % different Orasol® and Neozapon® dyes

Structure:



*Beschichtung: layer

Appearance: Silver

Physical Properties

Sizes:	Fine: 0.004“ (0.10 mm) Medium: 0.006“ (0.15 mm) Coarse: 0.008“ (0.20 mm)
Form:	hexagonal, rectangular, square, fibrous
Density (PET):	1.38 g/cm^3
Thermal stability:	up to 180°C

Solvent Resistance

The resistancy to organic solvents is limited due to the chemical properties of the dyes.

Solvent	Holo (colored)	Holo Silver
Alcohol (Methanol, Ethanol, Isopropanol	resistant	resistant
Aliphatic hydrocarbons (hexane)	resistant	resistant
Aromatic hydrocarbons	limited resistant	resistant
Ketone (Acetone, MEK)	limited resistant	resistant
Water	resistant	resistant

Kremer Pigmente GmbH & Co. KG · Hauptstr. 41-47 · DE-88317 Aichstetten · Tel. 0049 7565 914480 · info@kremer-pigmente.com · www.kremer-pigmente.com

UV Resistance

The direct UV irradiation should be avoided. According to the intensity and the duration of exposure there may be substantial differences in color.

pH Stability

The higher the pH value of a system, the faster the metallic layer can corrode. It is generally recommended to process the systems directly after adding the glitter to avoid the corrosion of the aluminium.

Migration of Heavy Metals

According to EN 71:3; ASTM F963-9 (These results are based on a sample analysis by the SGS Fresenius Institute and can vary depending on the product)

Antimony	< 10 mg/kg	Chromium	< 0,2 mg/kg
Arsenic	< 1 mg/kg	Lead	< 10 mg/kg
Barium	< 10 mg/kg	Mercury	< 1 mg/kg
Cadmium	< 1 mg/kg	Selenium	< 10 mg/kg
Copper	< 1 mg/kg	Cobalt	< 1 mg/kg
Nickel	< 1 mg/kg		

Application

Paper finishing; textile printing, good wishes and gift articles, christmas, easter and carneval articles; sieve and rotary printing, glitter for decorative purposes.

Kremer Pigmente GmbH & Co. KG · Hauptstr. 41-47 · DE-88317 Aichstetten ·Tel. 0049 7565 914480 · info@kremer-pigmente.com · www.kremer-pigmente.com