



PChem® Conductive Inks for Printed Electronics

www.novacentrix.com

PFI-RSA6012 Reflective Flexo Ink

Product Description

PFI-RSA6012 is an aqueous flexo-printable conductive ink containing proprietary silver nanoparticles. PFI-RSA6012 has been specifically formulated for high optical reflectivity, fast curing, good electrical conductivity, and smooth lay downs.

Key Benefits

- Fast curing at low temperatures ideal for reel to reel processing on PET film
- Silver-colored-reflective and electrically-conducting patterns on non-textured surfaces (after curing)
- High optical reflectivity at low curing temperatures
- Good electrical conductivity and thin cured film thicknesses for material cost savings
- Good flexibility
- Compatible with polyester, polycarbonate, polyurethane, and label paper
- Minimal VOCs
- Easy cleanup with soap and water

Physical Properties

Silver Content (wt. %)	60 (± 2)
Density (wet)	2.22 g / mL (18.5 lb / gal)
Viscosity @10s ⁻¹	10000 - 15000 cP
Viscosity @1000s ⁻¹	50 - 150 cP
pH	6.10 to 6.30
Volume Resistivity	8 - 10 μΩcm
Printed Sheet Resistance	200 - 700 mΩ / sq (anilox- and cure-condition-dependent)
Coverage	100 - 600 m ² / kg (anilox-dependent)
Shelf Life	In a refrigerated environment of 2 - 9°C, > 8 months (unopened container)

Refrigeration is recommended

Typical Results

- < 2 s cure times with IR heating
- < 5 s cure times with conductive heating
- 10 - 60 s cure times with 140°C convection (velocity dependent)
- 70°C cures are possible with cure times > 5 minutes

Please contact inktechnicalsupport@novacentrix.com to learn more, for detailed application information, or for assistance. Ink can be ordered at store.novacentrix.com