Minerva

R550

Extreme Durable Resin Technical Data Sheet

Product Description

R550 is designed for extreme resistance against most chemicals used in the automotive, chemical, pharma, electronics and other industries. Enjoy the benefit of printing extremely small, crisp and clearly readable characters with great precision. Next to its extreme durability, R550 offers a smooth ink transfer at lower heat settings, which makes R550 compatible to a broad range of durable substrates.

Applications

Automotive | Chemicals | Electronics | Health & Beauty | Inventory & Logistics | Outdoor | Pharmaceutical | Security

Recommended Substrates

Synthetics

- Polyethylene
- Polyesters
- Polypropylene

Specialty Materials

- Polyimide
- PET cards
- PVC cards
- Vinyls

Performance Characteristics

- Unique high abrasion and solvent resistance
- Excellent readability of small characters
- High-density printing ensuring edge definition
- Easy to use at medium printer heat settings
- Anti-static for easy handling and extended print head life
- DNP's specially formulated backcoating for print head protection

More Info

RIBBON PROPERTIES

Description	Result	Test Method
Ink	Resin	
Color	Black	Visual
Total Thickness	6.5 ± 0.9µ	Weight
Base Film Thickness	4.5 ± 0.4µ	Weight

DURABILITY OF PRINTED IMAGE

Description	Result	Test Method
Print Density	> 2.07	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 400 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 50 Cycles @ 200 Grams with Stainless Steel Pointed Tip

Label Stock: Top-coated Polyester Print Speed: 4 IPS

*American National Standard Institute (ANSI) Grade Levels A, B, C, D, and F, where A is excellent, B is above average, C is average, D is below average, and F is poor.

The information on this data sheet was obtained in DNP laboratories. Measured values may vary slightly when tested in a different environment. Information contained within this document is subject to change without notification.

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