DNP

R390
High Durable Near Edge Resin

Technical Data Sheet

Product Description

R390 offers the same quality resin printing as the popular R300 for near edge applications. R390 is extremely versatile on a wide variety of substrates and also prints at extremely high speeds for faster turnaround. It outperforms the competition in abrasion and solvent resistance, and contains DNP's specially formulated backcoat technology for printhead protection, as well as DNP's exclusive anti-static properties for easy handling and extra printhead protection. Like all DNP ribbons, R390 is the industry leader in edge definition for clean, extremely durable, and dense bar codes.

Applications

| Automotive | Chemicals | Electronics | Food & Beverage | Health & Beauty | Outdoor | Pharmaceutical |

Recommended Substrates

Synthetics

- ✔ Synthetic paper
- ✔ Polyethylene
- ✔ Polyolefin
- ✔ Polyester
- ✔ Polypropylene
- ✔ Valeron®
- ✔ Kimdura®
- ✔ Polyart®

Specialty Materials

- ✔ PVC cards
- ✔ Vinyl

Performance Characteristics

- ✔ Excellent print quality at high speeds
- ✔ Increased durability across a wide range of resin applications
- ✔ Extensive label adaptability for expanded application options
- ✔ Unbeatable edge definition for dark, dense images and improved scan rates
- ✔ DNP's specially formulated backcoating for printhead protection
- ✔ Anti-static for easy handling and extended printhead life

More Info

RIBBON PROPERTIES

Description	Result	Test Method
Ink	Resin	
Color	Black	Visual
Total Thickness	5.8 ± 0.8μ	Weight
Base Film Thickness	4.5 ± 0.4μ	Weight

DURABILITY OF PRINTED IMAGE

Description	Result	Test Method
Print Density	> 1.80	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 100 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: 6 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.