

DNP

R300-HF

General Purpose
Resin

Technical Data Sheet



Product Description

R300-HF is a halogen-free resin ribbon with wide label adaptability. TR300-HF outperforms the competition in abrasion and solvent resistance, uses less print energy and is designed with DNP's standard anti-static and backcoat properties to protect printheads and extend printhead life. And, like all DNP ribbons, R300-HF is an industry leader in edge definition producing dark, dense images for improved scan rates.

Applications



Automotive



Chemicals



Electronics



Food &
Beverage



Health &
Beauty



Inventory &
Logistics



Outdoor



Pharmaceutical

Recommended Substrates

Synthetics

- ✓ Polyester
- ✓ Polypropylene
- ✓ Polyethylene
- ✓ Polyolefin
- ✓ Vinyl

Performance Characteristics

- ✓ Good sensitivity (high definition characters)
- ✓ Halogen-free
- ✓ Extreme durability and solvent resistance
- ✓ Extensive label adaptability expanding application options
- ✓ Unmatched scratch and heat resistance
- ✓ 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.

DNP IMAGINGCOMM ASIA SDN. BHD.

PL0 676, Jalan Nikel 4, Kawasan Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor, Malaysia