DNP Technical Data Sheet

R510W Durable White Resin

Product Description

R510W has DNP's unmatched scratch and solvent resistance and has been designed with DNP's specially formulated backcoat technology for printhead protection. Like all of our ribbons, R510W is an industry leader in edge definition for clean, extremely durable and dense barcodes.

Recommended Applications


Chemicals


Electronics


Food & Beverage


Inventory & Logistics


Retail

Recommended Substrates

Specialty Materials	Matte silver polyester
	Gloss silver polyester
	Chrome polyester
	Clear polyester
	PVC shrink tubing

Performance Characteristics

Halogen-Free
Smudge and scratch resistant
Resistant to ethanol and isopropanol
DNP's specially formulated backcoating for printhead protection
UL recognized
Industry leading in edge definition for clean, durable, and dense bar codes

DNP Imagingcomm Europe B.V
Oudeweg 42, 2031CC Haarlem, the Netherlands
T: +31 (0)23 553 30 60
E: sales@dnp.imgcomm.eu
eu.dnpribbons.com

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Ribbon Properties

Description	Result	Test Method
Ink	Resin	
Color	White	Visual
Total Thickness	9.3 ± 0.5µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	4.5 ± 0.2µ	Micrometer
Ink Melting Point	96°C (205°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: PVC Shrink Tubing Print Speed: 6 IPS

Description	Result	Test Method
Print Density	< 0.30	Densitometer

Conversion Chart

Millimeters (mm) to Inches = mm ÷ 25.4	Inches to Millimeters (mm) = Inches ÷ 0.03937
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C° to F° = (1.8 X C°) + 32 = F°	F° to C° = (F° ÷ 1.8) - 17.77
Thousand square inches (MSI) to m^2 = MSI X 0.645	MSI = m^2 ÷ 0.645

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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