DNP Technical Data Sheet

TR7541 Boiling resistant Resin

Product Description

TR7541 has a super high boiling durability. This ribbon is especialy created for flexible packaging which will be used in boiling water. Other features are the high durability for greasy substances.
As all other DNP ribbons, TR7541 has an anti-static back coating.

Recommended Applications


Food & Beverage


Health & Beauty


Retail

Recommended Substrates

Specialty Materials	Nylon PET

Performance Characteristics

Super high boiling durability
Anti-static
Grease resistant
Abrasion resistant
Suitable for Flat Head and Near Edge printers

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Ribbon Properties

Description	Result	Test Method
Ink	Resin	
Color	Black	Visual
Total Thickness	6.6 ± 0.8µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	1.8 ± 0.5µ	Micrometer
Ink Melting Point	70°C (158°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Polyester, nylon films Print Speed: 10 IPS

Description	Result	Test Method
Print Density	> 1.50	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 400 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 50 Cycles @ 380 Grams with Stainless Steel Pointed Tip

*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.

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

OHSAS 18001 ISO 9001 ISO 14001 REACH COMPLIANCE RoHS 2 COMPLIANT

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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