

SONY



TR6070

C h e m i c a l R e s i s t a n t R e s i n



TR6070 is one of the most durable chemical resistant resins available on the market. TR6070 prints at high speeds, up to 10 IPS, producing unparalleled crisp images, and rotated and nonrotated barcodes. TR6070's extreme resistance to harsh chemicals makes it the ideal ribbon for the most demanding environments.

Specific Features

- *Cross linking resin technology*
- *Produces highly durable quality images*
- *Extreme resistance to aggressive chemicals*
- *UL recognized*
- *Superior dissipation of static*
- *Ultimate heat resistance (up to 220°C)*

Recommended Applications



Automotive Underhood Labels
Sony premium ribbon images withstand rigorous high heat and exposure applications.



Chemical Drum Labels
Sony premium resin ribbons provide durable, scratch resistant images on preprinted or treated label surfaces for your most demanding applications.



Pharmaceutical Labels
Sony ribbons provide dark, durable images for critical applications.



High Heat-Resistant Labels
Sony resin ribbon images are heat resistant up to 400° F making them ideal for demanding automotive applications.

TR6070

Chemical Resistant Resin

Ribbon Property		
Description	Specification	Measurement Method
Ink Material	Cross-linked Resin	—
Total Thickness (µm)	8.3 ± 0.8	Micrometer
Base Film Thickness (µm)	4.5 ± 0.4	Micrometer
Ink Thickness (µm)	1.8 ± 0.4	Micrometer
Ribbon Transmission Density	≥ 2.2	Densitometer
Print Density	≥ 1.9	Densitometer

Durability of Printed Image	
Label Stock:	Top Coated White Polyester
Print Speed:	6 IPS
	Print Density: 2.40
Smudge Resistance:	ANSI A ¹
	Scratch Resistance: ANSI A ¹
Resistant to rubbing with isopropyl alcohol, Formula 409, mineral spirits, gasoline, xylene, brake fluid, and kerosene.	
Test Equipment: Colorfastness Tester	
Conditions:	Smudge Test: 100 cycles @ 800 grams with cotton cloth
	Scratch Test: 20 cycles @ 380 grams with 3mm diameter steel ball
¹ Represents the American National Standard Institute (ANSI) Grade measured at the given conditions. Grade levels are 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 mm = Inches ÷ 0.03937
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet to Meters = Feet ÷ 3.2808
C° to F° = (1.8 x C°) + 32 = F°	F° to C° = (F° ÷ 1.8) - 17.77 = C°
Thousand square inches (MSI) to m ² = msi x 0.645	MSI = m ² ÷ 0.645

Recommended Applications
Automotive underhood applications, clinical laboratory applications, chemical drum labeling.

The information on this data sheet was obtained in Sony Chemicals Corporation 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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