

# R90 SERIES PREMIUM FULL RESIN

Itw Thermal Transfer's R90 is a premium performance **resin based ribbon** specially designed for bar coding applications of polyester and other plastic labels. Printed images have excellent smudge, scratch and solvent resistance. It also has good heat resistance. Prints at moderate to high heat settings.

**PRINTHEAD  
SAVER®  
THERMAL  
TRANSFER  
RIBBON**



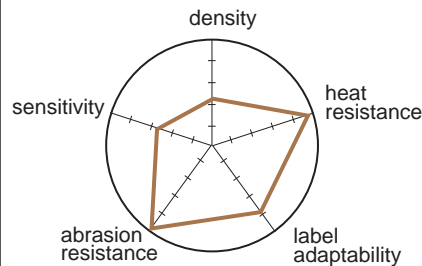
## FEATURES

excellent abrasion resistance  
solvent resistant  
heat resistant back coating  
high density  
anti-static, high sensitivity  
formulation

## SUBSTRATES

polyester stocks  
wide range of media

## FEATURES CHART



## TYPICAL PROPERTIES OF RIBBONS

ITEM	VALUE	TEST METHOD
POLYESTER FILM THICKNESS	4.6μ	Micrometer
COLOR	Black	
INK COATING WEIGHT	3.54 ± 0.1	g/m <sup>2</sup>
HEAT RESISTANT COATING WEIGHT	0.12 ± 0.02	g/m <sup>2</sup>
INK MELTING POINT	110°C	DSC method
HEAT RESISTANT TEMPERATURE	130°C	SKC method heat gradient tester
ABRASION RESISTANCE	5	50 rub cycles with 300g load 1:bad, 5:good
PRINT SENSITIVITY	2.5	SKC method 1:low, 5:high
PRINT DENSITY (OPTICAL DENSITY)	2.21	optical densimeter (reflectance)
PCS (PRINT CONTRAST SIGNAL)	>95%	verifier



**ITW Thermal Films**

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