

Thermal Stability

DNP TRX-50 General Purpose Wax/Resin

	Temp. (°F)	Label OD	Transfer OD
Control/Room Temp.	71	2.10	0.07
	93	2.06	0.07
	114	2.07	0.07
	133	2.05	0.07
	151	2.06	0.07
	168	2.00	0.07
First Sign of Transfer	185	1.76	0.10
	200	1.37	0.17
	213	1.43	0.13
	227	1.37	0.16
	238	1.35	0.15
	249	1.37	0.15
	260	1.39	0.13
	269	1.37	0.17
	280	1.32	0.20
	289	1.36	0.19
	299	1.30	0.20
	307	1.31	0.24
	315	1.29	0.23
	322	1.30	0.23
	330	1.31	0.26
	338	1.29	0.25
Label Began to Melt	346	1.32	0.25
	354	1.38	0.26
	361	1.44	0.27

Procedure	Fold paper in half; Tape lower edge of label onto paper
Densitometer	Macbeth®
Print Conditions	
Labelstock:	Kimdura®
Printer:	Zebra 140Xi III Plus
Print Speed:	6 IPS
Print Energy:	15
Labels Printed:	25
Temp Cycle Information	
Temperature:	Reading from heat seal device
Pressure:	19-20 psi (140 kPa)
Paper:	Standard Copy Paper
Time to reach = temp.:	Minimal (may need to be included)
Sealer Cycle Time:	5 seconds

