



SPECIFICATION SHEET

This product specification sheet provides the detail to aid you in identifying the most appropriate product type to meet your company's specific requirements. Please direct questions to: **Ricoh Customer Service 1-800-843-7058**

DESCRIPTION

135WRx-2 is a medium sensitivity polypropylene direct thermal film stock with image durability and key specific properties designed to withstand environmental elements for the applications shown.

KEY FEATURES

Medium sensitivity, moderate image preservation properties; resistant to sanitizers, hand soap, alcohol, etc.; durable polypropylene base film that is tear and water resistant.

— APPLICATION AREAS —



Wristbands



Shelf Tags

FACESTOCK / PRESERVATION PROPERTIES

FACESTOCK PROPERTIES

ITEM		UNIT	SPECIFICATION	TEST METHOD
Basis Weight		lbs (24x36x500 sheets)	50.4 ± 4.9	TAPPI T-410
		g/m ²	82 ± 8	
Caliper		mil	3.8 ± 0.5	TAPPI T-411
		µm	96 ± 12	
Image Color			Black	Visual Check
Image Density	(ODU)	Minimum	1.25	X-Rite Densitometer
Tear Strength	MD	gf Minimum	25.0	TAPPI T-414
	CD	gf Minimum	9.0	
Tensile Strength	MD	kgf/15 mm Minimum	5.0	TAPPI T-494
	CD	kgf/15 mm Minimum	14.5	
Stiffness	MD	gf-cm Minimum	18.0	TAPPI T-489
	CD	gf-cm Minimum	14.0	
Initial Activation Temperature	(O.D. = 0.2)	°F / °C	212 / 100	
Effective Activation Temperature	(O.D. = 0.8)	°F / °C	257 / 125	

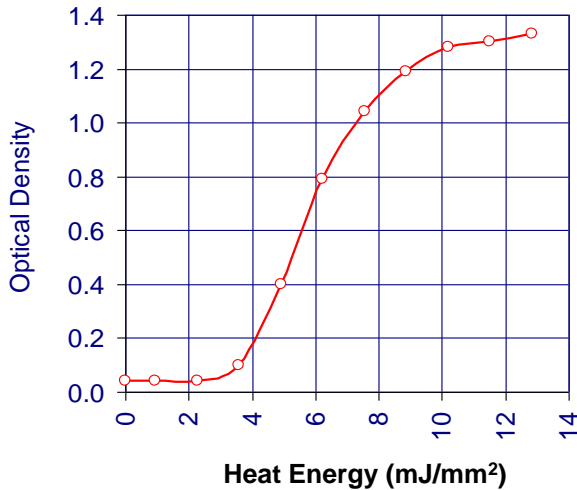
PRESERVATION PROPERTIES

ITEM	SPECIFICATION	TEST METHOD
Water Resistance	Image	1.10 Minimum
	Background	0.12 Maximum
Oil Resistance	Image	1.10 Minimum
	Background	0.15 Maximum
Moisture Resistance	Image	1.10 Minimum
	Background	0.15 Maximum
Heat Resistance	Image	1.10 Minimum
	Background	0.30 Maximum
Light Resistance	Image	1.10 Minimum
	Background	0.15 Maximum

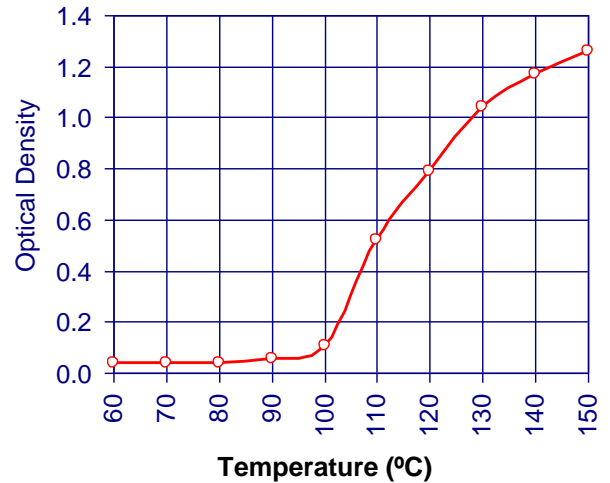


SENSITIVITY RESULTS

Dynamic Sensitivity



Static Sensitivity



Sensitivity curves are for reference only.

Storage Conditions: Below 95°F (35° C) and less than 85% R.H. in a warehouse, avoiding direct sunlight.

Tests performed on Markpoint MP104.

135WRx-2 – LAMINATED PRODUCT

GRADE	UNIT	G5
Application	°F	35 to 120
Temperature	°C	2 to 49
Service	°F	-40 to 131
Temperature	°C	-40 to 55
Basis Weight	lbs	104 ± 12
(24 x 36 x 500)	g/m ²	169 ± 19
Caliper	µm	182 ± 22
	mil	5.9 ± 0.9

Liner: 42 lbs

Caliper: 2.5 mils ± 10% (64 ± 8 µm)

Opacity: 65% Maximum (Photovolt)

Adhesive Attributes:

G5 – General Purpose Hot Melt

CERTIFICATES / REGULATIONS / DIRECTIVES

BPA Free	RoHS	ISO9001	Indirect Food Contact
REACH	WEEE	ISO14001	

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