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THERMAL LABEL FILM PRODUCT INFORMATION

140 LES

FACESTOCK

ITEM	SPECIFICATION	TEST METHOD
Basis Weight	52.4# ± 4.9 (24 x 36 x 500 Sheets)	TAPPI T-410
	85 ± 8 g/m ²	
Caliper	4.1 Mils (105 ± 11µm)	TAPPI T-411
Image Color	Black	VISUAL CHECK
Image Density (ODU)	1.30 Minimum	Macbeth Densitometer
Background Density (ODU)	0.09 Maximum	Macbeth Densitometer

PRESERVATION PROPERTIES

ITEM	SPECIFICATION	TEST METHOD
Plasticizer Resistance (Face)	Image 1.20 Minimum	40° C, Dry, 15 Hours
	Background 0.15 Maximum	
Water Resistance	Image 1.00 Minimum	Water Immersion, 15 Hours
	Background 0.12 Maximum	
Oil Resistance	Image 1.20 Minimum	40° C, Dry, 15 Hours
	Background 0.15 Maximum	
Moisture Resistance	Image 1.20 Minimum	40° C, 90% RH, 24 Hours
	Background 0.15 Maximum	
Heat Resistance	Image 1.20 Minimum	70° C, Dry, 24 Hours
	Background 0.20 Maximum	

*Remarks: Image and Background measured by Macbeth (ODU)
Specification may change without notice

140LES LAMINATED PRODUCTS

GRADE	UNIT	G5	G8	G12	G22
Application Temperature	°F	35 to 120	10 to 120	-40 to 122	28 to 122
	°C	2 to 49	-12 to 49	-40 to 50	-2 to 50
Service Temperature	°F	-40 to 120	-20 to 120	-65 to 131	-40 to 122
	°C	-40 to 49	-29 to 49	-54 to 55	-40 to 50
Basis Weight (24 x 36 x 500)	LBS	105 ± 11	101 ± 11	105 ± 11	105 ± 11
	g/m ²	171 ± 18	164 ± 18	171 ± 18	170 ± 18
Caliper	µm	183 ± 22	178 ± 22	179 ± 22	179 ± 21

Custom: Please contact the Sales/Marketing department for application specific adhesives.

Liner: 42# Super Calendered White Kraft

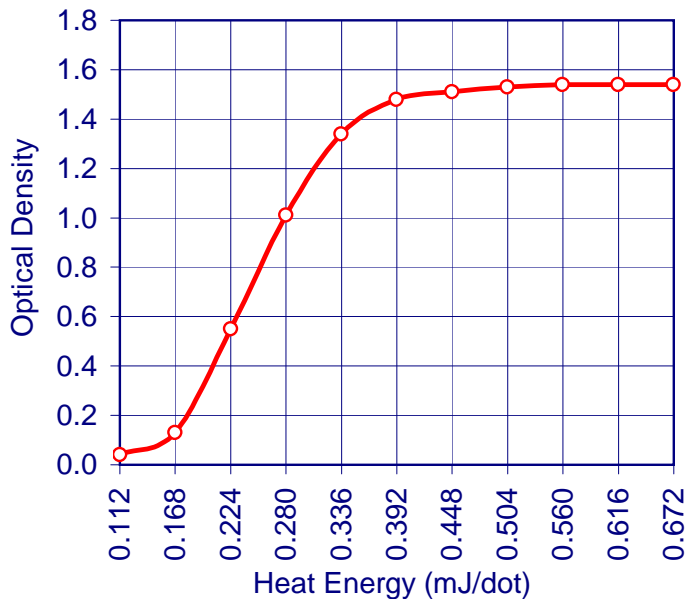
Caliper: 2.6 Mils ± 10% (66 ± 7µm)

Opacity: 65% Maximum (Photovolt)

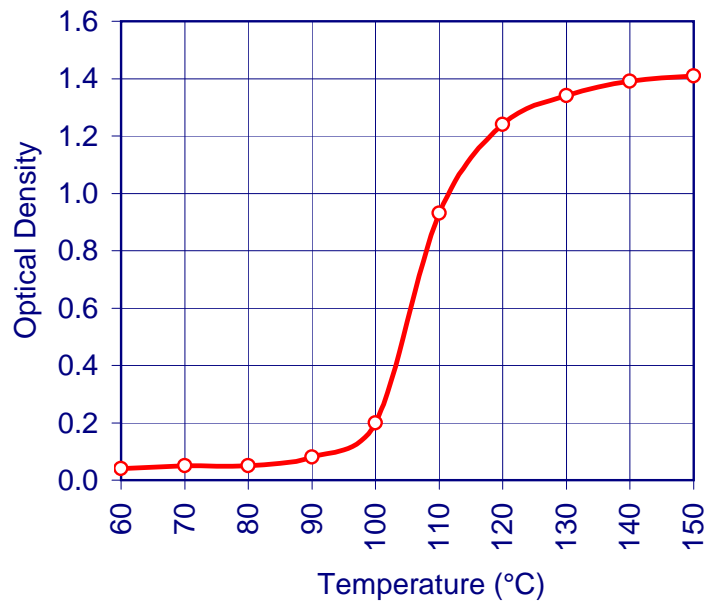
STORAGE CONDITION

Below 95°F (35°C) and less than 85% RH in a warehouse avoiding direct sunlight.

Dynamic Sensitivity



Static Sensitivity



Comments: Sensitivity curves are for general reference only.