

Use information: This paragraph is informational only and is not exclusively definitive of the end use.

For multicolor face and back offset printing of manuals, maps, tags, outdoor billboards, etc., requiring a high degree of resistance to action of water, mild aqueous solutions, grease, oils, extreme climatic temperatures, frequent handling, and discoloration. Printed matter may include text, line illustrations, and halftones up to 175-line screen.

Stock: Extruded high density polyolefin (polypropylene) sheet.
*Note:*¹ Recovered material, in any percentage, is encouraged, provided that the requirements of this Standard are met.

Grammage (g/m ²)	90	112
Basis weight: 25 by 38 inches, 500 sheets (pounds)	60	75

A tolerance of ±10 pct shall be allowed.

Folding endurance: Average, each direction, not less than (MIT double folds)

	4,000	4,000
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Aged film: Average, each direction, not less than (MIT double folds) 50% of unaged or

	4,000	4,000
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Note: This material will usually withstand not less than 20,000 folds. It is normally sufficient to terminate the test at 4,000 folds.

Opacity: Average, not less than (percent)

	91	92
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Thickness: Average (mm)

	0.100	0.130
Equivalent (inch)	0.0040	0.0050

A tolerance of ±0.013 mm (0.0005 inch) shall be allowed.

Gloss (75°): Average, each side, not to exceed (percent)

	25	25
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Ruling and writing qualities: Lines ruled and characters written with pencil and ball point pen shall be clear cut.

Surface: The film shall not flake, powder, crack, blister, or otherwise deteriorate under printing or other normal handling conditions; shall not discolor, become brittle, or be subject to attack by mold, mildew, or fungus under normal conditions; and shall be uniform, free from mottle, and from any particles that will pick, lift, fluff, or pile on use under normal conditions.

General appearance: The film shall conform to the standard sample(s) adopted by the Government.

Color: Shall be white. The film in the order (or publication) shall be uniform. The color variation shall not exceed DE(CIELAB)=1.0.

Aged film: The L* component of the color shall not decrease more than 10 pct.

Note: The aging test is made in the Atlas fadeometer or equivalent equipment for 48 hours using a carbon arc.

Finish and formation: Shall be uniform and similar to that of the following brand name products: Polyart or Kindura.

Cleanliness: Film shall be clean.

Sampling and testing: Shall be conducted in accordance with standards in Part 2, *Government Paper Specification Standards*.

Unless otherwise specified, the following is automatically waived when printing or duplicating is to be accomplished on commercial contract

Curl: Film shall lie flat with either no tendency to curl or with a curl which can be overcome under reasonable working conditions.

Surface: Shall be free from lint, fuzz, or any particles which will pick, lift, fluff, or pile on the blanket under normal press conditions.

Size and trim: Sheets: Film shall be furnished in the size(s) ordered and shall be flat, trimmed square on four sides with clean smooth edges, and evenly jogged. A tolerance of ±2 mm (1/16 inch) shall be allowed except for sheets 216 by 356 mm (8 1/2 by 14 inches) or less; then a tolerance of ±1 mm (1/32 inch) shall be allowed. Successive sheets within any package shall not differ from each other by more than 0.5 mm (1/64 inch). Paper with the long dimension 813 mm (32 inches) or less shall be considered square if the variation does not exceed 1 mm (1/32 inch); over 813 mm (32 inches); 2 mm (1/16 inch).

Rolls: Roll width and diameter shall be as ordered. A tolerance of ±2 mm (1/16 inch) shall be allowed for width and ±26 mm (1 inch) for diameter.

Roll winding: Roll stock shall be tightly wound at even tension and shall not contain more than the specified maximum number of splices per roll. The number of splices permitted per roll is determined by the roll diameter as ordered. On rolls 1,016 mm (40 inches) or less, a maximum of three splices per roll shall be allowed. On rolls over 1,016 mm (40 inches), a maximum of four splices per roll shall be allowed. Splices shall be neatly and securely overlap-pasted and made with a repulpable adhesive which will not permit the splice to separate. The adhesive may be applied from a tape form backing, provided the backing is removed, leaving only the adhesive component on the splice. The adhesive shall not cause the splice to adhere to adjacent laps. The tails of the splices shall be neatly and evenly removed without damage to adjacent laps. Splices shall be flagged at both ends with projecting colored markers, not pasted to the splice, or otherwise clearly marked.

Pressroom conditions: The bulk of this paper will be used in air-conditioned pressrooms maintained at 24°C ±2°C and 45 pct ±8 pct relative humidity.

¹For technological reasons, this grade is currently not readily and/or economically available with postconsumer (or recovered) fiber content.