

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 tear resistance including resistance to action of water, mild aqueous solutions, grease, oils, extreme climatic temperatures, frequent handling, discoloration and durability. Printed matter may include text, line illustrations, and halftones up to 175-line screen.

Stock: Shall be a non-cellulose substrate.
Note: Recovered material, in any percentage, is encouraged, provided that the requirements of this Standard are met.

Such as --
PPG Teslin[®] SP (www.teslin.com)
Arjobex Polyart[®] (www.polyart.com)
YUPO[®] (www.yupo.com)
AET SynCarta[™] SLC (www.syncarta.com)
HOP-SYN[®] II DURA-LITE (www.hopindustries.com)

Caliper: Nominal (mils)..... 4 5.5 7 8.5

Folding endurance: Average each direction not less than (MIT double folds) 4,000

Aged film¹: Average each direction not less than 50% of the unaged film or (MIT double folds) ... 4,000

Opacity: Average not less than (percent) 90 92 94 96

Surface: The film shall not flake, powder, crack, blister, or otherwise deteriorate under print or other 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.

Aged film¹: The L* component of the color shall not decrease more than 3 percentage points.

General appearance: Film shall conform to the standard sample(s) established by the Government.

Brightness: Shall not less than target 88% or as specified.

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

Finish and formation: Shall be uniform.

Cleanliness: The film shall be clean.

Testing: Shall be conducted in accordance with methods in part 2, *Government Paper Specification Standards*. The acceptance criteria Part 4 does not apply.

¹ Age material for 48 hours in an Atlas fadeometer or equivalent with a carbon arc