



MXM[®] Synthetic Paper

DESCRIPTION:

MXM[®] is a mineral filled polypropylene with the same feel and texture as white offset paper, but with the tear, water and chemical resistance of a general plastic. It is ideal for many synthetic paper applications and is a durable material for everyday use.

CHARACTERISTICS:

- Can be die cut, folded, hot stamped, punched perforated, riveted, stapled, and sewn.
- Easily printed using flexography, offset lithography, gravure, and screen printing.
- Environmentally friendly - recyclable, non-toxic.
- Does not discolor.
- Durable – resistant to oil, grease and chemical.
- Dimensionally stable.
- Best results with single pass/multi color presses.
- Printable two sides in 8 mil and above.

APPLICATIONS:

- Calendars
- Luggage Tags
- Greeting Cards
- Posters
- Placemats
- POP Display
- Banners
- Training Manuals
- Repair Manuals
- Trade Show Signs
- Wall Maps
- Flash Cards
- Bank Books
- Flip Charts
- Folders
- Game Boards
- Decals
- Disk Sleeves
- Trail Maps
- Labels
- Tags
- Toys and Novelty
- Indoor Signs

TECHNICAL DATA:

PROPERTIES	TYPICAL VALUES		TEST METHOD
THICKNESS ± %	0.0034-0.008 ± 10%		Micro-Gauge
TENSILE STRENGTH - psi	MD	4,000>	ASTM-D638
	TD	2,500>	
ELONGATION - %	MD	500>	ASTM-D1922
	TD	80>	
TEAR STRENGTH - gm/mm	MD	400>	ASTM-D2578
	TD	500>	
SURFACE TENSION	S1	46	JIS-B0601
	S2	46	
ROUGHNESS EMBOSS 463 - μ	S1	15 ~ 35	ASTM-D523
	S2	25 ~ 60	
GLOSS VALUE @ 60°	S1	2 ~ 5	ASTM-D1003
	S2	2 ~ 5	
TRANSMITTANCE - %	25		ASTM-E313
WHITENESS - w	78		ASTM-D257
SURFACE RESISTANCE - Ω/cm ³	9x10 ^{12(max)}		ASTM-D792
SPECIFIC GRAVITY	1.17		

MD - Machine Direction TD - Cross Direction S1 - Primary Surface S2 - Secondary Surface

NOTE: All information, recommendations and suggestions contained herein, including, without limitations, stated values (collectively the "Information") shall be used only as a guide by Purchaser and not for specification or any other purpose. The Information does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine the suitability of all material purchased and must confirm adaptability and other characteristics by conducting its own tests. Transilwrap shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the Information.

