Synthetic Paper 1100 - 160

Very durable, water resistant, tear resistant and weather proof media. Both sides identical. Those features make this media suitable for wide range of applications for both indoor and outdoor.

End-use: Durable poster (both indoor and outdoor); citylight application (repeated social ad campaigns)

Furnish: 3 layer, 100% polypropylene.

Finish: Matt.

Ink compatibility: UV, latex.

Technical Target Values

Property	Units	Values	Test method
Grammage	g/m2	160	ISO 536
Caliper	µm	200	ISO 534
Whiteness	CIE	97	ISO 11475
Opacity	%	98	ISO 2471
Gloss hunter	%	17	ISO 8254
Tensile strength MD/CD	kN/m	10/30	ISO 535
Elongation MD/CD	%	150 / 30	ISO 1924-2

Certifications	manufactured under ISO14001.

Ink compatibility

Printing side	Compatible inks
Outside	UV and latex.
Inside	UV and latex.

Available sizes

Roll widths (mm)	Roll length (m)	Core (in)
1050, 1520, etc.	100 / 200 / 300	3" / 3" / 6"

Pallet packaging information

Packaging type	Roll length (m)	Number of rolls per pallet
Box	100	24
Pyramid	100 / 200 / 300	21 / 10 / 6
TIDY	200 / 300	12 / 6

Finishing and application

Synthetic Paper 1100 is easy to stretch, so the tension during printing and finishing must be extremely low. If it is pulled strongly in the direction that it unwinds, it will stretch.
Dry and cold lamination is recommended using a two-component adhesive. To prevent curling, pay attention to the tension balance.
When slitting, avoid nicking the edges. If tension is applied, it may cause the media to tear. Use rotary, sharp blade for perfect slitting.
Synthetic Paper 1100 is difficult to fold and tends to become unfolded. Therefore, scoring is strongly recommended in case folding is needed.

Tips & Tricks

Main reasons to choose Synthetic Paper 1100 instead of poster paper, consider:
1. Synthetic Paper 1100 is non-absorbent and non-permeable. This means much stronger resistance to weather conditions, water resistance and tear resistance.
2. Sustainable usage of printed media: if the advertising materials will be used several times at least, Synthetic Paper 1100 is much better choice than poster paper.
3. Using in scrolling system or other street furniture for repeatable campaigns. Synthetic Paper 1100 will withhold several times of re-installation while poster paper - not.

General storage information

Storage of the media is recommended in original packaging. In cool (10˚C-25˚C) and dry environment (30%-60% of relative humidity). Avoid storing media in areas that are subject to extreme temperature fluctuations, such as near windows or doors. High humidity (more than 60% of relative humidity) can cause the media to absorb moisture, which can affect its print quality.

If you plan to not print on the media for an extended period of time, it is always recommended to unload it from the printer. Storing unused media in the printer can cause it to absorb moisture, which can affect its print quality. By unloading the media and storing it in a proper environment, you can help to ensure that it maintains its quality and is ready for use when needed.

Printing information

It is important to maintain appropriate temperatures and humidity levels in your printing environment to ensure optimal print quality. Temperature range of 18-24˚C and a humidity range of 40-60% are considered ideal for large format printing. Temperature range of 15-30˚C and a humidity range of 30-70% are considered critical and may possibly impact the printing quality.

Always use the right settings for the media. The best printing results are achieved when a special profile is created for the specific media being used. If you require assistance or have any questions, please do not hesitate to contact us.

Verify that the media is compatible with the printer and ink type intended to be used. Select the appropriate media profile. Using the correct media profile is essential for achieving optimal print quality. Please contact GM Media representative to help you out if needed.

General handling information

Unpacking

Carefully remove the media from its original packaging, taking care not to damage the edges or corners. Hold the media by the edges or wear gloves to prevent skin oils from transferring to the surface.

Inspection

Inspect the media for any signs of damage or defects. This includes checking the edges, corners, and surface of the media for any cracks, tears, or scratches. If any damage or defects are found, do not load the media into the printer. Instead, set it aside and notify the appropriate personnel.

Transporting/carrying

When transporting the media to the printer, handle it with care to prevent any damage or deformations. This includes avoiding dropping or bumping the media against any surfaces.
Hold the media by the edges or corners to prevent any smudging or scratching of the surface.
If the media is too large to be carried by hand, use a trolley or other appropriate equipment to transport it safely. Keep the media in a protective sleeve or packaging during transportation to prevent any dust or dirt from settling on the surface.