# Glass beads structure reflective material

Series DMP2000

## DMP2000

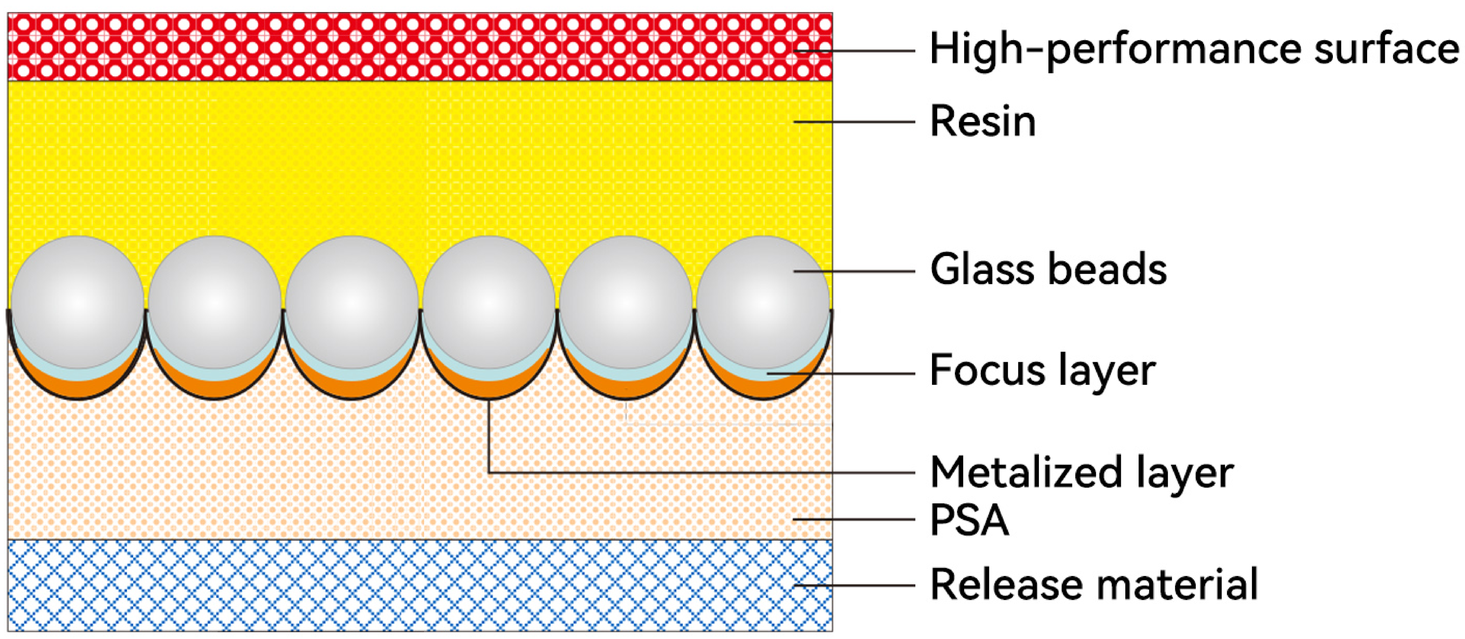
DMP2000 Commercial Grade reflective sheeting is a glass beads structure reflective material that is widely used in the outdoor advertisement area with its good retro-reflections and EXCELLENT performance in printing, Screen printing, Digital printing such as Eco sovent, UV, Latex. This product is designed to be used in the temporary advertisement signs and road signs.

## Product features

DMP2000 series Commercial Grade reflective sheeting is Untearable, excellent for solvent printing & screen printing.

| Color | Item No. |
|---|---|
| White | DMP2000 |

## Structure



## Application

Digital Printing

## Adhesive Application

DMP2000 Commercial Grade series sheeting is recommended to use on the aluminium and steel boards. When used on a High-density polyethylene (HDPE) surface or PP surface, different kinds of adhesives for these surfaces can be offered.

## Color Chromaticity

| Standard light source : D65, Observation condition: 45/0, Observation angle: 2° | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| color | Color Chromaticity | | | | | | | | Luminance Factor |
| | x | y | x | y | x | y | x | y | |
| White | 0.350 | 0.360 | 0.300 | 0.310 | 0.285 | 0.325 | 0.335 | 0.375 | ⩾0.27 |
| Yellow | 0.545 | 0.454 | 0.464 | 0.534 | 0.427 | 0.483 | 0.487 | 0.423 | 0.16-0.40 |

## Specifications for New Sheeting

Roll details

| | |
|---|---|
| Width | 1.24m(48'')/0.62m(24") |
| Length | 45.7m(50 yards) |
| Weight | 20kg(44.5lb) |
| Box Dimensions | 1.31*0.21*0.21m |
| Thickness (without release paper) | 0.17mm(6.8mils) |
| Weight of Release Paper | 125g/sqm |
| Applicable Printing Solutions | Digital(UV, Eco Solvent, Latex)<br>Screen Printing, Cylinder Printing |
| Adhesion | 15N/25mm<br>(FINAT TM1, after 24h, aluminum plate) |
| Service life | 3 years |

## Retroreflectivity

DMP2000 series exceeds the normal commercial grade reflective sheeting and good retro-reflection. The reflection is shown as followed table.

### Co-efficiency of retro-reflection

| Observation Angle | Entrance Angle | White | Yellow |
|---|---|---|---|
| 0.2° | -4° | 15 | 10 |

## Other types of commercial grade reflective sheeting

| Surface type | Item No. | Features | Color | Reflection white 0.2/-4 |
|---|---|---|---|---|
| Acrylic | DM3200A | Rich color, suits for screen printing | ○ ● ● ● ● ● ● | 16 cd |
| Acrylic | DM3200 | Rich color, suits for screen printing | ○ ● ● ● ● ● ● | 30 cd |
| PET | DM3310 | High reflection, suits for die cutting | ○ | 70 cd |
| PET | DM3100 | Suits for die cutting | ○ ● ● ● ● ● ● | 20 cd |
| PET | DM3500 | Suits for die cutting | ○ ● ● ● ● ● ● | 16 cd |
| PVC | DMP3000 | Excellent performance for digital printing | ○ | 20 cd |
| PVC | DMP2000 | Excellent performance for digital printing | ○ | 15 cd |
| PVC | DM3320 | Excellent performance for digital printing, high retro-reflection | ○ | 96 cd |