

## MAGNETIC Roll

| Item                   | Description   | Specification  |        |                            |        |                            |         |
|------------------------|---|--|--------|----------------------------|--------|----------------------------|---------|
| Magnetic Layer         | Type  | Isotropic-Flexible Magnetic Sheeting – Compound  |        |                            |        |                            |         |
|                        | Available Standard Thicknesses and dimensions for rolls   | 0.5; 0.6; 0.85 mm (± 0.03mm) / 0,615m - 1m +15   |        |                            |        |                            |         |
|                        | Available Standard Thickness and dimensions for sheets  | 0.5 mm (± 0.03mm) - 35*50 cm / 50*70 cm  |        |                            |        |                            |         |
|                        | Colour  | White Matt   |        |                            |        |                            |         |
| Magnetic Properties    | Maximum Energy Product  | 0.65 to 0.75 MGOe  |        |                            |        |                            |         |
|                        | Remanence   | 1600 – 1900 G  |        |                            |        |                            |         |
|                        | Coercive Field  | 1200 – 1500 Oe   |        |                            |        |                            |         |
|                        | Intrinsic Coercive Field  | 2200 – 2500 Oe   |        |                            |        |                            |         |
|                        | Magnetic Pull<br>(Magnetic Pole Width: 2,0 mm)  | <table border="1"> <tr> <td>0.5 mm</td> <td>18 ÷ 22 gr/cm<sup>2</sup></td> </tr> <tr> <td>0.6 mm</td> <td>28 ÷ 30 gr/cm<sup>2</sup></td> </tr> <tr> <td>0.85 mm</td> <td>40 ÷ 44 gr/cm<sup>2</sup></td> </tr> </table> | 0.5 mm | 18 ÷ 22 gr/cm <sup>2</sup> | 0.6 mm | 28 ÷ 30 gr/cm <sup>2</sup> | 0.85 mm |
| 0.5 mm                 | 18 ÷ 22 gr/cm <sup>2</sup>  |  |        |                            |        |                            |         |
| 0.6 mm                 | 28 ÷ 30 gr/cm <sup>2</sup>  |  |        |                            |        |                            |         |
| 0.85 mm                | 40 ÷ 44 gr/cm <sup>2</sup>  |  |        |                            |        |                            |         |
| Physical Properties    | Specific Gravity  | 3.7 to 3.8   |        |                            |        |                            |         |
|                        | Backcoating   | UV hardened coated on the magnetic side  |        |                            |        |                            |         |
|                        | Flexibility   | It can be rolled up till a minimum of 12 mm diameter at 20°C without cracking  |        |                            |        |                            |         |
|                        | Cutting   | Scissor, knife, die-cutting, and slitting can be done with ease  |        |                            |        |                            |         |
| Temperature Resistance | End-use temperature range   | - 20 °C/ +50 °C  |        |                            |        |                            |         |
|                        | Short term resistance   | 65 °C  |        |                            |        |                            |         |
|                        | Flammability  | DIN 4102-1, B1 Class   |        |                            |        |                            |         |
| Front Layer            | Type  | Monomeric PVC Film   |        |                            |        |                            |         |
|                        | Thickness   | 100 ± 8 micron   |        |                            |        |                            |         |
|                        | Colour  | White Standard   |        |                            |        |                            |         |
|                        | Finish  | Matt   |        |                            |        |                            |         |
|                        | Shrinkage   | ≥ 0.8%   |        |                            |        |                            |         |
|                        | Surface tension   | ≥ 30 dyne/cm   |        |                            |        |                            |         |
| Printing               | <p><b>Screen Printing:</b> solvent Inks (UV inks after testing).</p> <p><b>Notes:</b> : Due to the wide variety of UV inks products and digital printing machines, testing before printing is always recommended. We also recommend to use heavy inks UV with Flatbed printer.</p> <p><b>Attention!</b> When die-cutting full background printed magnet, or other materials, you would observe the rising of shape edges (ink evaporation is the cause of tension surface).</p> |  |        |                            |        |                            |         |
| Outdoor Applications   | It can be used for outdoor applications (6-12 months) without guarantee for a long term durability. Exposure to severe humidity, ultra-violet light or conditions found in tropical, subtropical or desert regions will often cause a rapid deterioration.  |  |        |                            |        |                            |         |
| Storage Period         | 18 months on the pallets within the box; no moisture. Under ordinary conditions at the temperature mean of 22 °C (min. 12 °C, max. 32 °C) and relative humidity of 50-55%.  |  |        |                            |        |                            |         |
| Backcoating            | The magnetic sheeting has a UV hardened coating on the magnetic side to better clean before application.  |  |        |                            |        |                            |         |
| Applications           | Displays system, car signs, business cards, refrigerator magnets, shelf/file labels, menu boards, toys, planning boards, education items, point of purchase, promotional items.   |  |        |                            |        |                            |         |
| REACH Regulation       | Complying with the Italian Decree-Law nbr. 133 issued on 14.09.2009 published on the Italian <i>Gazzetta Ufficiale</i> , we inform that the substance Bis(2-ethyl(hexyl)phthalate (DEHP) is present in a concentration of 0,1%. For further information, please refer to the certified copy available of the analyses worked out on the substances taken into consideration by REACH (Registration Evaluation Authorization of Chemicals).                                      |  |        |                            |        |                            |         |