



# Technical Data Sheet

## HSG Material

|                            |                              |                           |   |                    |                          |
|----------------------------|------------------------------|---------------------------|---|--------------------|--------------------------|
|                            |                              |                           |   |                    |                          |
| <b>Company</b>             | <b>Photodon, LLC</b>         | Michigan                  | USA   | Phone 847-377-1185 | Email Sales@photodon.com |
| <b>Product Name</b>        | HSG                          | <b>Product Type</b>       | 9H anti-static, anti-glare, anti-explosion film |                    | Date August 2022         |
| <b>Film Roll Size</b>      | 1020mm x100M (Nominally)     |                           |   |                    |                          |
|                            |                              |                           |   |                    |                          |
| <b>Test Condition</b>      | Temperature C° 22 ± 2        |                           |   | Humidity 28%       |                          |
|                            | <b>Test Items</b>            | <b>Unit</b>               | <b>Value</b>                                    | <b>Test Method</b> |                          |
| <b>Material</b>            | Top Liner                    | µm                        | 50±3  | Micrometer         |                          |
|                            | AG Resin / Hard Coating      | µm                        | 2±1   | Micrometer         |                          |
|                            | Hardened Film                | µm                        | 30±10   | Micrometer         |                          |
|                            | Substrate PET film           | µm                        | 188±10  | Micrometer         |                          |
|                            | Silicone Resin               | um                        | 20  | Micrometer         |                          |
|                            | Release Liner                | µm                        | 50  | Micrometer         |                          |
|                            | Total Thickness              | µm                        | 335   | Micrometer         |                          |
| <b>Properties</b>          | Total Luminous Transmittance | %                         | >90   | JIS K7105          |                          |
|                            | Haze                         | %                         | ≤1  | JIS K7105          |                          |
|                            | Pencil Hardness film only    | H                         | 9H  | Pencil             |                          |
|                            | Adhesion                     | g/inch                    | 5±  | JIS K7105          |                          |
| <b>Chemical Resistance</b> | <b>Resistant to:</b>         |                           |   |                    |                          |
|                            | Alcohols                     | Hydrocarbons              |   |                    |                          |
|                            | Dilute acids                 | Ketones                   |   |                    |                          |
|                            | Dilute alkalis               | Household Cleaning Agents |   |                    |                          |
|                            | Esters                       |                           |   |                    |                          |

The technical data sheets are not guaranteed values, but rather measurement values given as an example. Photodon does not guarantee that the film can be used for any example applications provided.