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|---|---------------------------|--------------------------------|--|--------------------|--------------------|--------------------------------------|
| Photodon LLC | | | | | | |
| Michigan | USA | Ph: 847-377-1185 | Email: sales@photodon.com | | | |
| Product Name: | MXG | Finished Material Type: | 85% glare reduction, low fingerprint retention, matte finish | | Date 9-15-2022 | |
| Film Roll Size: 1000mm (nominally) | | | | | | |
| | | | | | | |
| Tested Items | | Thickness (µm) | Thickness (in) | Test Method | Notes | |
| Material | Top Liner | | 50 | 0.0019 | Micrometer | |
| | AG Coating | | 15 | 0.0005 | Micrometer | |
| | Pet | | 100 | 0.0039 | Micrometer | |
| | Silicone Backing | | 25 | 0.0009 | Micrometer | |
| | Release Liner | | 50 | 0.0019 | Micrometer | |
| | Total Thickness | | 240 ± 5 | 0.0094 | Micrometer | |
| | Thickness without liners | | 140 | 0.0055 | Micrometer | |
| | | | | | | |
| Tested Items | | Unit | Spec | Result | Test Method | |
| Optical Properties | Total Light Transmittance | | % | - | > 90 | Konica CM5 |
| | Haze | | % | - | < 35 | Konica CM5 |
| Mechanical Properties | Pencil Hardness | | H | - | 5 | ASTM D3363 |
| | Peeling Strength | 30 min | gf/25mm | - | > 3 | ASTM D3330 |
| | | 24 hours | gf/25mm | - | > 3 | ASTM D3330 |
| | Adhesion Stability | | - | 100/100 | Pass | ASTM B571 Cross Cut Adhesion Test |
| Chemical Resistance | Resistant to: | | | | | |
| | Alcohols | | Esters | No Problem | DIN 42 115 | |
| | Dilute acids | | Hydrocarbons | | | |
| | Dilute alkalis | | Ketones | | | |