

# NC 4590

## Microworks Window Film

### Advantage -

1. Drive cooler by reducing excessive solar heat
2. Better eye comfort
3. Great maintenance with less scratch
4. Long life indoor fabric from fading

Clear Hard-Coating

Optical Grade PET Film (23±1μm)

Adhesive

Sputter Film (23±1μm)

UV-Cut PSA

Silicone Release Film(23μm)

|                                    |             |       |                        |
|------------------------------------|-------------|-------|------------------------|
| Visible Light Transmitted          |             | 43%   | ASTM E424<br>KS L 2016 |
| Visible Light Reflected            | External    | 10%   | ASTM E424<br>KS L 2016 |
|                                    | Internal    | 10%   |                        |
| Solar Heat Reduction               |             | 53%   | ASTM E424              |
| Solar Heat                         | Reflected   | 9%    | ASTM E424<br>KS L 2016 |
|                                    | Transmitted | 22%   |                        |
| IR Transmitted                     |             | 5%    | ASTM E424              |
| UV Rejected                        |             | 99.3% | ASTM E424              |
| Total Solar Energy Rejected (TSER) |             | 59%   | ASTM E424              |

|                                    |                     |                            |
|------------------------------------|---------------------|----------------------------|
| Thickness                          | 2Mil/2Ply           |                            |
| Shading Coefficient                | 0.47                | ASTM E424                  |
| Solar Heat Gain Coefficient (SHGC) | 0.41                | ASTM E424                  |
| Scratch Resistant                  | >2H                 | ASTM D3363                 |
| Haze                               | 1.3%                | ASTM D1003                 |
| Adhesion of Hard-Coated Surface    | 5B<br>(0% peel-off) | ASTM D3359                 |
| Adhesive Strength                  | 690g/inch           | ASTMD903                   |
| Scratch Resistance                 | -                   | Steelwool<br>#0000 1kg/20회 |