TECHNICAL DATA SHEET

HEA2000K-clear and HEA2000K-matte

1) Cross-Sectional Structure

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
<th>Material</th>
<th>Thickness (µm, typ.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Protective Film</td>
<td>Polyethylene</td>
<td>60</td>
</tr>
<tr>
<td>2</td>
<td>AR Coating</td>
<td>SiO₂, Nb₂O₅</td>
<td>~0.4</td>
</tr>
<tr>
<td>3</td>
<td>Hardcoat</td>
<td>Acrylic Base</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>Base Film</td>
<td>PET</td>
<td>50</td>
</tr>
<tr>
<td>5</td>
<td>Adhesive</td>
<td>Acrylic Base</td>
<td>20</td>
</tr>
<tr>
<td>6</td>
<td>Release Liner</td>
<td>PET</td>
<td>38</td>
</tr>
</tbody>
</table>

2) Adhesion Strength on Glass (typical)

- As Laminated: 10 kgf/cm
- After 100 hours at R.T. >20 kgf/cm

3) Environmental Durability (experimental data from a single run)

-20° C >2,000 hours
90° C >680 hours
80° C >1,400 hours
UV, Sunshine Carbon Arc >200 hours

4) Haze

- HEA2000K-clear (smooth) <<1%
- HEA2000K-matte (AG) 5%

5) Optical Performance

Reflectance (typical)
-0.4% HEA2000K-clear
-0.3% HEA2000K-matte

Disclaimer: The data shown in this data sheet are taken from limited experiments and do not warrant the performance of the products used in actual service.