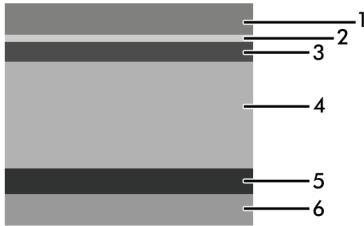


TECHNICAL DATA SHEET

HEA2000K-clear and HEA2000K-matte

1) Cross-Sectional Structure



Layer	Description	Material	Thickness (μm , typ.)
1	Protective Film	Polyethylene	60
2	AR Coating	SiO_2 , Nb_2O_5	~ 0.4
3	Hardcoat	Acrylic Base	4
4	Base Film	PET	50
5	Adhesive	Acrylic Base	20
6	Release Liner	PET	38

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

