

**Technical Data Sheet**

**AES (Engineering Plastics)**

**AES HW 600G**

**Features** High Weather Resistance, High Flow  
**Applications** Automotive side mirror, Door garnish, Air conditioner outlet, Road signs

<b>Physical</b>	<b>Test Method</b>	<b>Value</b>
Density	ASTM D792	1.04 g/cm <sup>3</sup>
Melt Flow Index (200°C, 21.6kg)	ASTM D1238	30 g/10min
Mold Shrinkage	ASTM D955	0.4 ~ 0.7 %
Water absorption	ASTM D570	- %

<b>Mechanical</b>	<b>Test Method</b>	<b>Value</b>
Tensile Strength	ASTM D638	550 kg/cm <sup>2</sup>
Elongation	ASTM D638	22 %
Flexural Strength	ASTM D790	660 kg/cm <sup>2</sup>
Flexural Modulus	ASTM D790	23,000 kg/cm <sup>2</sup>
Izod Impact Strength(6.4mm)	ASTM D256	15 kg-cm/cm
Rockwell Hardness(R scale)	ASTM D785	104

<b>Thermal</b>	<b>Test Method</b>	<b>Value</b>
Heat Deflection Temperature(18.6kgf/cm <sup>2</sup> )	ASTM D648	90 °C (194) (°F)
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	°C (°F)

<b>Flammability</b>	<b>Test Method</b>	<b>Value</b>
Flame Rating - UL (1.6mm)	UL 94	HB

**Notes**

These are just typical properties, not specifications. Users should confirm results by their own test.