

AESHW600G

AESHW600G is a kind of AES resin with good weather resistance ability, offering high rigidity ,high toughness and excellent processability.

Application:automobile outside parts as side-mirror, radiator grill, etc.

Properties	Standard	Unit	Condition	Typical Value
Physical				
Density	ISO 1183	g/cm ³	23℃	1.04
Melt Index	ISO 1133	g/10min	220℃、10kg	24
Mold Shrinkage	ISO 294	%	23℃	0.4-0.7
Mechanical				
Tensile Strength	ISO 527	MPa	50mm/min	47
Tensile Elogation at Break	ISO 527	%	50mm/min	25
Flexural Strength	ISO 178	MPa	2mm/min	65
Flexural Modulus	ISO 178	MPa	2mm/min	2300
Notched Izod Impact,23℃	ISO 180	kJ/m ²	5.5J	14
Notched Charpy Impact,23℃	ISO 179	kJ/m ²	4J	15
Notched Charpy Impact,-30℃	ISO 179	kJ/m ²	4J	7
Unnotched Charpy Impact,23℃	ISO 179	kJ/m ²	4J	60
Thermal				
Heat Deflection Temp. 1.80MPa Unannealed	ISO 75	℃	120℃/h	78
VICAT	ISO 306	℃	5kg 50℃/h	96
Electrical Properties				
Volume Resistivity	IEC 60093	Ohm-cm	/	>1.E+15
Surface Resistivity	IEC 60093	Ohm	/	>1.E+15

Note:

- 1) These are typical property values, not specifications.
- 2) In case of colored products, the values could vary slightly by color.
- 3) Values are measured at 23℃ and in RH of 50% on injection molded specimens.
- 4) UL File No. E65424,E254819.

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Processing Parameters	Typical Value	Unit
Drying Temperature	80-95	°C
Drying Time	3-4	hour
Maximum moisture content	0.05	/%
Barrel Temperature		°C
Rear	200-220	
Middle	210-230	
Front	230-250	
Nozzle	230-240	
Melt Temperature	230-250	°C
Mold Temperature	50-80	°C
Back Pressure	1-5	MPa
Screw Speed	30-70	rpm

Note:

1)The above data is only for reference. Exact settings have to follow the product,injection machine and mold.

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