KumhoSunny AES HW601HI

Acrylonitrile Ethylene Styrene

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HW601HI is injection grade AES resin.It has high weather resistance properties and high impact extrusion in low temperature.HW601HI is mainly used in automobile parts, electric and electron, building material, sports equipment, etc.

Features Good Weather Resistance Low Temperature Impact Resistance Building Materials Electrical/Electronic Applications Building Materials Electrical/Electronic Applications Sporting Goods Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Specific Gravity 1.04 Melt Mass-Flow Rate (MFR) (220°C/10.0 kg) Kg) 15 Molding Shrinkage - Flow Nominal Value Unit Tensile Strength So.0 MPa Tensile Elongation (Break) 25 % Flexural Modulus 2200 MPa Tensile Strength 68.0 MPa Impact Nominal Value Unit Notiched Izod Impact (3.20 mm) 300 J/m Thermal Notenaled Nominal Value Unit Deflection Temperature Under Load (1.8 MPa, Unannealed) 85.0 C Vicat Softening Temperature 95.0 Nominal Value Unit Surface Resistivity > 1.0E+15 Nominal Value Unit			
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Deflection Temperature Under Load (1.8 MPa, Unannealed) 85.0 °C Vicat Softening Temperature 95.0 °C Electrical Nominal Value Unit Surface Resistivity > 1.0E+15 ohms	ASTM D256		
MPa, Unannealed) 85.0 °C Vicat Softening Temperature 95.0 °C Electrical Nominal Value Unit Surface Resistivity > 1.0E+15 ohms	Test Method		
Electrical Nominal Value Unit Surface Resistivity > 1.0E+15 ohms	ASTM D648		
Surface Resistivity > 1.0E+15 ohms	ASTM D1525 ¹		
· · · · · · · · · · · · · · · · · · ·	Test Method		
	IEC 60093		
Volume Resistivity > 1.0E+15 ohms⋅cm	IEC 60093		
Flammability Nominal Value Unit	Test Method		
Flame Rating HB	UL 94		
Injection Nominal Value Unit			
Drying Temperature 80.0 to 90.0 °C			

Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.050	%
Rear Temperature	200 to 220	°C
Middle Temperature	210 to 230	°C
Front Temperature	220 to 240	°C
Nozzle Temperature	220 to 240	°C
Processing (Melt) Temp	200 to 230	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	1.00 to 5.00	MPa
Screw Speed	30 to 70	rpm
NOTE		
1.	Rate B (120°C/h)	

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