

Technical Data Sheet

**ABS & PC Alloy (Engineering Plastics)
HAC 8290NH**

Features Non-Halogen Flame Retardancy
Applications LCD TV, Monitor, Housings for electrical appliances

Physical	Test Method	Value
Density	ASTM D792	1.19 g/cm ³
Melt Flow Index (220°C, 10kg)	ASTM D1238	40 g/10min
Mold Shrinkage	ASTM D955	0.4 ~ 0.6 %
Water absorption	ASTM D570	0.3 %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	600 kg/cm ²
Elongation	ASTM D638	40 %
Flexural Strength	ASTM D790	900 kg/cm ²
Flexural Modulus	ASTM D790	23,000 kg/cm ²
Izod Impact Strength(3.2mm)	ASTM D256	60 kg-cm/cm
Rockwell Hardness(R scale)	ASTM D785	116

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ASTM D648	87 °C (188) (°F)

Flammability	Test Method	Value
Flame Rating - UL (1.6mm, 3.2mm)	UL 94	V-0

Notes

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