

Technical Data Sheet

**ABS & GF (Engineering Plastics)
HAG 5220FR**

Features Flame Retardancy
Applications Hair dryer, Electric & electronic parts, etc

Physical	Test Method	Value
Density	ASTM D792	1.25 g/cm ³
Melt Flow Index (230°C, 21.6kg)	ASTM D1238	120 g/10min
Mold Shrinkage	ASTM D955	0.1 ~ 0.3 %
Water absorption	ASTM D570	- %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	800 kg/cm ²
Elongation	ASTM D638	6 %
Flexural Strength	ASTM D790	1,000 kg/cm ²
Flexural Modulus	ASTM D790	40,000 kg/cm ²
Izod Impact Strength(6.4mm)	ASTM D256	6 kg-cm/cm
Rockwell Hardness(R scale)	ASTM D785	107

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ASTM D648	95 °C (203) (°F)
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	112 °C (234) (°F)

Flammability	Test Method	Value
Flame Rating - UL (1.6mm)	UL 94	HB

Notes

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