

Technical Data Sheet

**ABS & PBT Alloy (Engineering Plastics)
HAB 8740B**

Features Blow Molding
Applications Automotive parts (Side step)

Physical	Test Method	Value
Density	ASTM D792	1.15 g/cm ³
Melt Flow Index (230°C, 21.6kg)	ASTM D1238	30 g/10min
Mold Shrinkage	ASTM D955	0.5 ~ 0.8 %
Water absorption	ASTM D570	- %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	460 kg/cm ²
Elongation	ASTM D638	140 %
Flexural Strength	ASTM D790	640 kg/cm ²
Flexural Modulus	ASTM D790	18,500 kg/cm ²
Izod Impact Strength(6.4mm)	ASTM D256	55 kg-cm/cm
Rockwell Hardness(R scale)	ASTM D785	106

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