

	Grade	ASF-9860
	Resin Type	PBT

Automotive

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.31
흡수율	ASTM D570	23°C	%	0.4
Melt Flow Index	ASTM D1238	250°C, 2.16kg	g/10min	74
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	1.5 - 1.8
Mold Shrinkage(MD)	ASTM D955	X-Flow at 3.2mm(TD)	%	1.7 - 2.0
Mechanical				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm ²	570
Tensile Strain at break	ASTM D638	5mm/min	%	30
Tensile Modulus	ASTM D638	5mm/min	kgf/cm ²	23500
Tensile Strength at break	ASTM D638	5mm/min	kgf/cm ²	450
Flexural Strength	ASTM D790	5mm/min	kgf/cm ²	850
Flexural Modulus	ASTM D790	5mm/min	kgf/cm ²	26500
Izod Impact Strength(notched)	ASTM D256	1/4 inch at 23°C	kgf-cm/cm	3.5
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf-cm/cm	3.0
Rockwell Hardness	ASTM D785	R-Scale	-	116
Rockwell Hardness	ASTM D785	M-Scale	-	85
Thermal				
Heat Deflection Temperature	ASTM D648	18.56kgf/cm ² , 6.4mm	°C	-
Heat Deflection Temperature	ASTM D648	4.6kgf/cm ² , 6.4mm	°C	180

1. The above figures are the representative values based on NP, which may vary from color to color, and can be used as a reference only for the purpose of selecting materials.
2. The above figures are basic guidelines for selecting materials; therefore, they are not regarded as the official specifications for materials involved, and cannot be used for the purpose of designing a mold.
3. The above values can be adjusted in accordance with processing conditions, and the specific change in value is allowed only within a limited range in which adjustment has no adverse or negative impact on the final product.

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* The last update date : 2017/11/10
