



ASTM Property

TACOMA	Grade	TBN25-V0
	Resin Type	PBT

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792	Natural or representative color	-	1.31
Melt Flow Index	ASTM D1238	250°C, 2.16kg	g/10min	40
Mold Shrinkage(MD)	ASTM D955	Flow at 3.2mm(MD)	%	1.5 – 1.8
Mold Shrinkage(TD)	ASTM D955	X-Flow at 3.2mm(TD)	%	1.7 – 2.0
Mechanical				
Tensile Strength at Yield	ASTM D638	5mm/min	kgf/cm ²	550
Tensile Strain at break	ASTM D638	5mm/min	%	50
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	2.8mm/min	kgf/cm ²	850
Flexural Modulus	ASTM D790	2.8mm/min	kgf/cm ²	26500
Izod Impact Strength(notched)	ASTM D256	1/8 inch at 23°C	kgf-cm/cm	3.5
Rockwell Hardness	ASTM D785	R-Scale	-	186

Flammability				
Flammability	UL94	V-0	mm	1.7,3.0

NOTE

¹ Physical Properties : these are not to be construed as specifications