

Property	Test Condition	Test Method ISO	Units	GF reinforced ABS resin
				Low Warpage, (GF+GS)23%
				100G-23R
				>ABS-(GF+GS)23<
Physical property				
Density	23℃	ISO1183	kg/m ³	1230
Specific Gravity		ASTM D792	-	1.23
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	84
Tensile strength		ASTM D638	MPa	88
Tensile elongation at Break		ASTM D638	%	3
Elongation at Break	23℃	ISO527-1,2	%	2
Flexural Strength	23℃	ISO178	MPa	135
Flexural Strength		ASTM D790	MPa	127
Flexural Modulus	23℃/50% RH	ISO 178	MPa	6290
Flexural Modulus		ASTM D790	MPa	6700
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	7
Ball Pressure Temp./0.1mm Vicat Softening T emp.			℃	95~95
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	63
Izod Impact Strength (V-notched)	23℃ 3.2mm	ASTM D256	J/m	77
Heat property				
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	103
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	103
Flammability		UL94	rank/thickness mmt	HB
Molding property				
Mold shrinkage	23℃/50% RH	Toray Method	%	0.1-0.3
Melt Flow Rate	240℃/98N	ISO 1133	g/10min	37

These values are typical data for this product under specific test conditions and not intended for use as limiting specifications.

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