

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°C	ISO1183	kg/m ³		1230
Specific Gravity		ASTM D792	-		1.23
Mechanical property					
Tensile strength	23°C	ISO527-1,2	MPa		84
Tensile strength		ASTM D638	MPa		88
Tensile elongation at Break		ASTM D638	%		3
Elongation at Break	23°C	ISO527-1,2	%		2
Flexural Strength	23°C	ISO178	MPa		135
Flexural Strength		ASTM D790	MPa		127
Flexural Modulus	23°C/50% RH	ISO 178	MPa		6290
Flexural Modulus		ASTM D790	MPa		6700
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m ²		7
Ball Pressure Temp./0.1mm Vicat Softening Temp.			°C		95~95
Izod Impact Strength (V-notched)	23°C 12.7mm	ASTM D256	J/m		63
Izod Impact Strength (V-notched)	23°C 3.2mm	ASTM D256	J/m		77
Heat property					
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	°C		103
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	°C		103
Flammability		UL94	rank/thickness mmt		HB
Molding property					
Mold shrinkage	23°C/50% RH	Toray Method	%		0.1-0.3
Melt Flow Rate	240°C/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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