

Property	Test Condition	Test Method ISO	Units	GF reinforced ABS resin	
				GF20%	
				100G-20	
				>ABS-GF20<	
<b>Physical property</b>					
Density	23℃	ISO1183	kg/m <sup>3</sup>		1180
Specific Gravity		ASTM D792	-		1.18
<b>Mechanical property</b>					
Tensile strength	23℃	ISO527-1,2	MPa		102
Tensile strength		ASTM D638	MPa		98
Tensile elongation at Break		ASTM D638	%		3
Elongation at Break	23℃	ISO527-1,2	%		3
Flexural Strength	23℃	ISO178	MPa		155
Flexural Strength		ASTM D790	MPa		140
Flexural Modulus	23℃/50% RH	ISO 178	MPa		6540
Flexural Modulus		ASTM D790	MPa		6200
Rockwell Hardness	23℃	ISO2039-2	R Scale		120
Rockwell Hardness	23℃/50% RH	ASTM D785	Rスケール		120
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m <sup>2</sup>		8
Ball Pressure Temp./0.1mm Vicat Softening Temp.			℃		95~95
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m		74
<b>Heat property</b>					
Heat Deflection Temp High Load	1.80MPa	ISO 75-1,2	℃		104
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃		102
Flammability		UL94	rank/thickness mm		HB
<b>Molding property</b>					
Mold shrinkage	23℃/50% RH	Toray Method	%		0.1-0.3
Melt Flow Rate	240℃/98N	ISO 1133	g/10min		17

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

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