

Property	Test Condition	Test Method ISO	Units	GF reinforced ABS resin	
				GF20%	
				100G-20	
				>ABS-GF20<	
Physical property					
Density	23℃	ISO1183	kg/m ³	1180	
Specific Gravity		ASTM D792	-	1.18	
Mechanical property					
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 ²	8	
Ball Pressure Temp./0.1mm Vicat Softening T emp.			℃	95～95	
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	74	
Heat property					
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	104	
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	102	
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	17	

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

