

Property	Test Condition	Test Method ISO	Units	GF reinforced ABS resin
				Flame Retardant, GF20%, 5VA
				855VG20
				>ABS-GF20-FR(17)<
Physical property				
Density	23℃	ISO1183	kg/m ³	1340
Specific Gravity		ASTM D792	-	1.34
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	104
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	137
Flexural Modulus	23℃/50% RH	ISO 178	MPa	7200
Flexural Modulus		ASTM D790	MPa	6860
Rockwell Hardness	23℃	ISO2039-2	R Scale	118
Rockwell Hardness	23℃/50% RH	ASTM D785	Rスケール	118
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	7
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	69
Heat property				
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	100
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	100
Flammability		UL94	rank/thickness mmt	5VA(2.5mm)
Molding property				
Mold shrinkage	23℃/50% RH	Toray Method	%	0.2-0.6
Melt Flow Rate	240℃/98N	ISO 1133	g/10min	22

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

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