

Property	Test Condition	Test Method ISO	Units	GF reinforced ABS resin	
				Flame Retardant, GF20%, 5VA	
				855VG20	
				>ABS-GF20-FR(17)<	
Physical property					
Density	23°C	ISO1183	kg/m ³		1340
Specific Gravity		ASTM D792	-		1.34
Mechanical property					
Tensile strength	23°C	ISO527-1,2	MPa		104
Tensile strength		ASTM D638	MPa		98
Tensile elongation at Break		ASTM D638	%		3
Elongation at Break	23°C	ISO527-1,2	%		3
Flexural Strength	23°C	ISO178	MPa		155
Flexural Strength		ASTM D790	MPa		137
Flexural Modulus	23°C/50% RH	ISO 178	MPa		7200
Flexural Modulus		ASTM D790	MPa		6860
Rockwell Hardness	23°C	ISO2039-2	R Scale		118
Rockwell Hardness	23°C/50% RH	ASTM D785	Rスケール		118
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m ²		7
Izod Impact Strength (V-notched)	23°C 12.7mm	ASTM D256	J/m		69
Heat property					
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	°C		100
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	°C		100
Flammability		UL94	rank/thickness mmt		5VA(2.5mm)
Molding property					
Mold shrinkage	23°C/50% RH	Toray Method	%		0.2-0.6
Melt Flow Rate	240°C/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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