

Property	Test Condition	Test Method ISO	Units	Standard
				High rigidity
				500-322
				>ABS<
Physical property				
Density	23℃	ISO1183	kg/m ³	1050
Specific Gravity		ASTM D792	-	1.05
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	59
Tensile strength		ASTM D638	MPa	54
Tensile elongation at Break		ASTM D638	%	37
Elongation at Break	23℃	ISO527-1,2	%	12
Flexural Strength	23℃	ISO178	MPa	89
Flexural Strength		ASTM D790	MPa	81
Flexural Modulus	23℃/50% RH	ISO 178	MPa	2690
Flexural Modulus		ASTM D790	MPa	2600
Rockwell Hardness	23℃	ISO2039-2	R Scale	116
Rockwell Hardness	23℃/50% RH	ASTM D785	Rスケール	116
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	13
Ball Pressure Temp./0.1mm Vicat Softening T emp.			℃	95~95
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	137
Izod Impact Strength (V-notched)	0℃ 12.7mm	ASTM D256	J/m	98
Izod Impact Strength (V-notched)	-30℃ 12.7mm	ASTM D256	J/m	69
Izod Impact Strength (V-notched)	23℃ 3.2mm	ASTM D256	J/m	137
Izod Impact Strength (V-notched)	0℃ 3.2mm	ASTM D256	J/m	98
Izod Impact Strength (V-notched)	-30℃ 3.2mm	ASTM D256	J/m	78
Heat property				
Coef of Linear Thermal Expansion	—	ASTM D696	℃ ⁻¹	0.000069
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	85
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	88
Flammability		UL94	rank/thickness mmt	HB
Molding property				
Mold shrinkage	23℃/50% RH	Toray Method	%	0.4-0.6
Melt Flow Rate	220℃/98N	ISO 1133	g/10min	20

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

