

Property	Test Condition	Test Method ISO	Units	Standard
				Super high impact
				300-325
				>ABS<
Physical property				
Density	23℃	ISO1183	kg/m ³	1040
Specific Gravity		ASTM D792	-	1.04
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	43
Tensile strength		ASTM D638	MPa	39
Tensile elongation at Break		ASTM D638	%	50
Elongation at Break	23℃	ISO527-1,2	%	16
Flexural Strength	23℃	ISO178	MPa	60
Flexural Strength		ASTM D790	MPa	57
Flexural Modulus	23℃/50% RH	ISO 178	MPa	1800
Flexural Modulus		ASTM D790	MPa	1810
Rockwell Hardness	23℃	ISO2039-2	R Scale	100
Rockwell Hardness	23℃/50% RH	ASTM D785	Rスケール	100
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	27
Ball Pressure Temp./0.1mm Vicat Softening T emp.			℃	90～95
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	333
Izod Impact Strength (V-notched)	0℃ 12.7mm	ASTM D256	J/m	206
Izod Impact Strength (V-notched)	-30℃ 12.7mm	ASTM D256	J/m	147
Izod Impact Strength (V-notched)	23℃ 3.2mm	ASTM D256	J/m	343
Izod Impact Strength (V-notched)	0℃ 3.2mm	ASTM D256	J/m	235
Izod Impact Strength (V-notched)	-30℃ 3.2mm	ASTM D256	J/m	157
Heat property				
Coef of Linear Thermal Expansion	—	ASTM D696	℃ ⁻¹	0.000083
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	80
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	84
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	10

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

