

Property	Test Condition	Test Method ISO	Units	Standard
				High impact
				100-322
				>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	54
Tensile strength		ASTM D638	MPa	49
Tensile elongation at Break		ASTM D638	%	48
Elongation at Break	23℃	ISO527-1,2	%	13
Flexural Strength	23℃	ISO178	MPa	78
Flexural Strength		ASTM D790	MPa	74
Flexural Modulus	23℃/50% RH	ISO 178	MPa	2350
Flexural Modulus		ASTM D790	MPa	2300
Rockwell Hardness	23℃	ISO2039-2	R Scale	113
Rockwell Hardness	23℃/50% RH	ASTM D785	Rスケール	113
Charpy Impact Strength (Unnotched)	23℃	ISO179	kJ/m ²	20
Ball Pressure Temp./0.1mm Vicat Softening Temp.			℃	95~95
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	226
Izod Impact Strength (V-notched)	0℃ 12.7mm	ASTM D256	J/m	177
Izod Impact Strength (V-notched)	-30℃ 12.7mm	ASTM D256	J/m	118
Izod Impact Strength (V-notched)	23℃ 3.2mm	ASTM D256	J/m	265
Izod Impact Strength (V-notched)	0℃ 3.2mm	ASTM D256	J/m	196
Izod Impact Strength (V-notched)	-30℃ 3.2mm	ASTM D256	J/m	137
Heat property				
Coef of Linear Thermal Expansion	-	ASTM D696	℃ ⁻¹	0.000074
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	83
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	87
Flammability		UL94	rank/thickness mm	HB
Electrical property				
Electrostatic Voltage	23℃,50%,24hr	Toray Method	V	-
Half-life period of Electrostatic Voltage decay	23℃,50%,24hr	Toray Method	Sec.	-
Surface Resistivity	23℃,50%,24hr	ASTM D257	Ω	-
Molding property				
Mold shrinkage	23℃/50% RH	Toray Method	%	0.4-0.6
Melt Flow Rate	200℃/49N	ISO 1133	g/10min	-
Melt Flow Rate	220℃/98N	ISO 1133	g/10min	15
Melt Flow Rate	240℃/98N	ISO 1133	g/10min	-
Optical property				
Gloss	an angle of incidence 60℃	Toray Method	%	-
Total Light Transmission	23℃/50% RH 3mm thickness	ISO 13468	%	-
Haze	23℃/50% RH 3mm thickness	ISO 14782	%	-

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