

Property	Test Condition	Test Method ISO	Units	Heat resistant
				High heat resistant
				450Y-X10
				>ABS<
Physical property				
Density	23℃	ISO1183	kg/m ³	1070
Specific Gravity		ASTM D792	-	1.07
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	53
Tensile strength		ASTM D638	MPa	46
Tensile elongation at Break		ASTM D638	%	12
Elongation at Break	23℃	ISO527-1,2	%	10
Flexural Strength	23℃	ISO178	MPa	80
Flexural Strength		ASTM D790	MPa	77
Flexural Modulus	23℃/50%RH	ISO 178	MPa	2360
Flexural Modulus		ASTM D790	MPa	2300
Rockwell Hardness	23℃	ISO2039-2	R Scale	111
Rockwell Hardness	23℃/50%RH	ASTM D785	Rスケール	111
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	16
Ball Pressure Temp./0.1mm Vicat Softening Temp.			℃	105~105
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	150
Izod Impact Strength (V-notched)	-30℃ 12.7mm	ASTM D256	J/m	91
Izod Impact Strength (V-notched)	-30℃ 3.2mm	ASTM D256	J/m	98
Heat property				
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃	95
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	98
Flammability		UL94	rank/thickness mmt	HB
Molding property				
Mold shrinkage	23℃/50%RH	Toray Method	%	0.5-0.8
Melt Flow Rate	220℃/98N	ISO 1133	g/10min	6
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