

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

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

COPYRIGHT © TORAY INDUSTRIES,INC

