

Property	Test Condition	Test Method ISO	Units	Transparent
				High rigidity
				920 555
				>MABS<
Physical property				
Density	23°C	ISO1183	kg/m ³	1090
Specific Gravity		ASTM D792	-	1.09
Mechanical property				
Tensile strength	23°C	ISO527-1,2	MPa	54
Tensile strength		ASTM D638	MPa	48
Tensile elongation at Break		ASTM D638	%	20
Elongation at Break	23°C	ISO527-1,2	%	17
Flexural Strength	23°C	ISO178	MPa	77
Flexural Strength		ASTM D790	MPa	74
Flexural Modulus	23°C/50% RH	ISO 178	MPa	2260
Flexural Modulus		ASTM D790	MPa	2160
Rockwell Hardness	23°C	ISO2039-2	R Scale	115
Rockwell Hardness	23°C/50% RH	ASTM D785	Rスケール	115
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m ²	9
Ball Pressure Temp./0.1mm Vicat Softening Temp.			°C	90~90
Izod Impact Strength (V-notched)	23°C 12.7mm	ASTM D256	J/m	108
Izod Impact Strength (V-notched)	23°C 3.2mm	ASTM D256	J/m	108
Heat property				
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	°C	77
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	°C	83
Flammability		UL94	rank/thickness mt	HB
Molding property				
Mold shrinkage	23°C/50% RH	Toray Method	%	0.4-0.6
Melt Flow Rate	220°C/98N	ISO 1133	g/10min	21
Optical property				
Total Light Transmission	23°C/50% RH 3mm thickness	ISO 13468	%	88
Haze	23°C/50% RH 3mm thickness	ISO 14782	%	2

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

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