

Property	Test Condition	Test Method ISO	Units	Standard	
				Super high rigidity	
				560-X17	
				>ABS<	
<b>Physical property</b>					
Density	23°C	ISO1183	kg/m <sup>3</sup>		1050
Specific Gravity		ASTM D792	-		1.05
<b>Mechanical property</b>					
Tensile strength	23°C	ISO527-1,2	MPa		55
Tensile strength		ASTM D638	MPa		51
Tensile elongation at Break		ASTM D638	%		17
Elongation at Break	23°C	ISO527-1,2	%		21
Flexural Strength	23°C	ISO178	MPa		90
Flexural Strength		ASTM D790	MPa		84
Flexural Modulus	23°C/50% RH	ISO 178	MPa		2960
Flexural Modulus		ASTM D790	MPa		2880
Rockwell Hardness	23°C	ISO2039-2	R Scale		118
Rockwell Hardness	23°C/50% RH	ASTM D785	Rスケール		118
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m <sup>2</sup>		6
Ball Pressure Temp./0.1mm Vicat Softening Temp.			°C		95~95
Izod Impact Strength (V-notched)	23°C 12.7mm	ASTM D256	J/m		69
Izod Impact Strength (V-notched)	0°C 12.7mm	ASTM D256	J/m		39
Izod Impact Strength (V-notched)	-30°C 12.7mm	ASTM D256	J/m		29
Izod Impact Strength (V-notched)	23°C 3.2mm	ASTM D256	J/m		69
Izod Impact Strength (V-notched)	0°C 3.2mm	ASTM D256	J/m		49
Izod Impact Strength (V-notched)	-30°C 3.2mm	ASTM D256	J/m		39
<b>Heat property</b>					
Coef of Linear Thermal Expansion	-	ASTM D696	°C <sup>-1</sup>		0.000064
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	°C		83
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	°C		87
Flammability		UL94	rank/thickness mmt		HB
<b>Molding property</b>					
Mold shrinkage	23°C/50% RH	Toray Method	%		0.4-0.6
Melt Flow Rate	220°C/98N	ISO 1133	g/10min		25

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

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