

Property	Test Condition	Test Method ISO	Units	Standard	
				High flow, Middle impact	
				700 X01	
				>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		51
Tensile strength		ASTM D638	MPa		47
Tensile elongation at Break		ASTM D638	%		15
Elongation at Break	23°C	ISO527-1,2	%		21
Flexural Strength	23°C	ISO178	MPa		74
Flexural Strength		ASTM D790	MPa		75
Flexural Modulus	23°C/50% RH	ISO 178	MPa		2370
Flexural Modulus		ASTM D790	MPa		2350
Rockwell Hardness	23°C	ISO2039-2	R Scale		114
Rockwell Hardness	23°C/50% RH	ASTM D785	Rスケール		114
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m <sup>2</sup>		17
Ball Pressure Temp./0.1mm Vicat Softening Temp.			°C		95~95
Izod Impact Strength (V-notched)	23°C 12.7mm	ASTM D256	J/m		186
Izod Impact Strength (V-notched)	0°C 12.7mm	ASTM D256	J/m		108
Izod Impact Strength (V-notched)	-30°C 12.7mm	ASTM D256	J/m		78
Izod Impact Strength (V-notched)	23°C 3.2mm	ASTM D256	J/m		196
Izod Impact Strength (V-notched)	0°C 3.2mm	ASTM D256	J/m		157
Izod Impact Strength (V-notched)	-30°C 3.2mm	ASTM D256	J/m		108
<b>Heat property</b>					
Coef of Linear Thermal Expansion	-	ASTM D696	°C <sup>-1</sup>		0.000072
Heat Deflection Temp High Load	1.80MPa	ISO 75-1,2	°C		81
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	°C		86
Flammability		UL94	rank/thickness mm		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		40

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


  
 COPYRIGHT © TORAY INDUSTRIES, INC
   
 CHEMICAL