

Property	Test Condition	Test Method ISO	Units	Durable anti-static
				Flame retardant, V-2
				TP82-X05
				>ABS-FR(17)<
<b>Physical property</b>				
Density	23°C	ISO1183	kg/m <sup>3</sup>	1120
Specific Gravity		ASTM D792	-	1.12
<b>Mechanical property</b>				
Tensile strength	23°C	ISO527-1,2	MPa	52
Tensile strength		ASTM D638	MPa	47
Tensile elongation at Break		ASTM D638	%	10
Elongation at Break	23°C	ISO527-1,2	%	14
Flexural Strength	23°C	ISO178	MPa	77
Flexural Strength		ASTM D790	MPa	70
Flexural Modulus	23°C/50% RH	ISO 178	MPa	2410
Flexural Modulus		ASTM D790	MPa	2280
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m <sup>2</sup>	8
Ball Pressure Temp./0.1mm Vicat Softening Temp.			°C	95~100
Izod Impact Strength (V-notched)	23°C 12.7mm	ASTM D256	J/m	104
<b>Heat property</b>				
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	°C	87
Flammability		UL94	rank/thickness mm	V-2(1.5mm)
<b>Electrical property</b>				
Surface Resistivity	23°C,50%,24hr	ASTM D257	Ω	8x10 <sup>12</sup>
<b>Molding property</b>				
Mold shrinkage	23°C/50% RH	Toray Method	%	0.5-0.7
Melt Flow Rate	220°C/98N	ISO 1133	g/10min	35

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

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