

Property	Test Condition	Test Method ISO	Units	Durable anti-static	
				Transparent	
				TP90-X02	
				>MABS<	
Physical property					
Density	23°C	ISO1183	kg/m ³		1110
Specific Gravity		ASTM D792	-		1.11
Mechanical property					
Tensile strength	23°C	ISO527-1,2	MPa		48
Tensile strength		ASTM D638	MPa		40
Tensile elongation at Break		ASTM D638	%		10
Elongation at Break	23°C	ISO527-1,2	%		10
Flexural Strength	23°C	ISO178	MPa		65
Flexural Strength		ASTM D790	MPa		63
Flexural Modulus	23°C/50% RH	ISO 178	MPa		1840
Flexural Modulus		ASTM D790	MPa		1840
Charpy Impact Strength (V-notched)	23°C	ISO179	kJ/m ²		10
Izod Impact Strength (V-notched)	23°C 12.7mm	ASTM D256	J/m		111
Izod Impact Strength (V-notched)	23°C 3.2mm	ASTM D256	J/m		119
Heat property					
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	°C		81
Flammability		UL94	rank/thickness mm		HB
Electrical property					
Electrostatic Voltage	23°C,50%,24hr	Toray Method	V		800
Half-life period of Electrostatic Voltage decay	23°C,50%,24hr	Toray Method	Sec.		0.5
Surface Resistivity	23°C,50%,24hr	ASTM D257	Ω		10 ¹¹
Molding property					
Mold shrinkage	23°C/50% RH	Toray Method	%		0.5-0.7
Melt Flow Rate	220°C/98N	ISO 1133	g/10min		26
Optical property					
Total Light Transmission	23°C/50% RH 3mm thickness	ISO 13468	%		80
Haze	23°C/50% RH 3mm thickness	ISO 14782	%		6

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

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