

Property	Test Condition	Test Method ISO	Units	Transparent
				Flame retardant
				982-X02
				>MABS-FR(16+42)<
Physical property				
Density	23℃	ISO1183	kg/m ³	1160
Specific Gravity		ASTM D792	-	1.16
Mechanical property				
Tensile strength	23℃	ISO527-1,2	MPa	49
Tensile strength		ASTM D638	MPa	46
Tensile elongation at Break		ASTM D638	%	10
Elongation at Break	23℃	ISO527-1,2	%	10
Flexural Strength	23℃	ISO178	MPa	70
Flexural Strength		ASTM D790	MPa	74
Flexural Modulus	23℃/50% RH	ISO 178	MPa	2130
Flexural Modulus		ASTM D790	MPa	2200
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	9
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	107
Heat property				
Heat Deflection Temp High Load	1.80MPa	ISO 75-1,2	℃	73
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	77
Flammability		UL94	rank/thickness mmt	V-2(1.5mm)
Molding property				
Mold shrinkage	23℃/50% RH	Toray Method	%	0.5-0.7
Melt Flow Rate	220℃/98N	ISO 1133	g/10min	22
Optical property				
Total Light Transmission	23℃/50% RH 3mm thickness	ISO 13468	%	84
Haze	23℃/50% RH 3mm thickness	ISO 14782	%	5

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

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