

Property	Test Condition	Test Method ISO	Units	Flame retardant	
				V-0, 5VA	
				884-X01	
				>ABS-FR(17)<	
Physical property					
Density	23℃	ISO1183	kg/m ³		1150
Specific Gravity		ASTM D792	-		1.15
Mechanical property					
Tensile strength	23℃	ISO527-1,2	MPa		47
Tensile strength		ASTM D638	MPa		45
Tensile elongation at Break		ASTM D638	%		5
Elongation at Break	23℃	ISO527-1,2	%		5
Flexural Strength	23℃	ISO178	MPa		74
Flexural Strength		ASTM D790	MPa		68
Flexural Modulus	23℃/50% RH	ISO 178	MPa		2350
Flexural Modulus		ASTM D790	MPa		2310
Rockwell Hardness	23℃	ISO2039-2	R Scale		104
Rockwell Hardness	23℃/50% RH	ASTM D785	Rスケール		104
Charpy Impact Strength (Unnotched)	23℃	ISO179	kJ/m ²		18
Ball Pressure Temp./0.1mm Vicat Softening Temp.			℃		80~80
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m		157
Izod Impact Strength (V-notched)	0℃ 12.7mm	ASTM D256	J/m		-
Izod Impact Strength (V-notched)	-30℃ 12.7mm	ASTM D256	J/m		-
Izod Impact Strength (V-notched)	23℃ 3.2mm	ASTM D256	J/m		-
Izod Impact Strength (V-notched)	0℃ 3.2mm	ASTM D256	J/m		-
Izod Impact Strength (V-notched)	-30℃ 3.2mm	ASTM D256	J/m		-
Heat property					
Coef of Linear Thermal Expansion	-	ASTM D696	℃ ⁻¹		-
Heat Deflection Temp High Load	1.80MPa	ISO75-1,2	℃		71
Heat Deflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃		76
Flammability		UL94	rank/thickness mm		5VA(2.5mm)
Electrical property					
Electrostatic Voltage	23℃,50%,24hr	Toray Method	V		-
Half-life period of Electrostatic Voltage decay	23℃,50%,24hr	Toray Method	Sec.		-
Surface Resistivity	23℃,50%,24hr	ASTM D257	Ω		-
Molding property					
Mold shrinkage	23℃/50% RH	Toray Method	%		0.4-0.7
Melt Flow Rate	200℃/49N	ISO 1133	g/10min		4.5
Melt Flow Rate	220℃/98N	ISO 1133	g/10min		-
Melt Flow Rate	240℃/98N	ISO 1133	g/10min		-
Optical property					
Gloss	an angle of incidence 60℃	Toray Method	%		-
Total Light Transmission	23℃/50% RH 3mm thickness	ISO 13468	%		-
Haze	23℃/50% RH 3mm thickness	ISO 14782	%		-

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