

Property	Test Condition	Test Method ISO	Units	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent	Transparent
				High rigidity	Middle impact	High impact	Detergent resistant	Flame retardant	Scratch resistant	Scratch resistant (Blueness reinforced)	High scratch resistant
				920-555	900-352	930-355	950-X01	982-X02	910-X01	910-X15	912-X01
				>MABS<	>MABS<	>MABS<	>MABS<	>MABS-FR(16+42)<	>MABS<	>MABS<	>MABS<
Physical property											
Density	23℃	ISO1183	kg/m ³	1090	1080	1080	1090	1160	1100	1100	1100
Specific Gravity		ASTM D792	-	1.09	1.08	1.08	1.09	1.16	1.1	1.1	1.1
Mechanical property											
Tensile strength	23℃	ISO527-1,2	MPa	54	48	45	50	49	57	55	56
Tensile strength		ASTM D638	MPa	48	41	40	43	46			
Tensile elongation at Break		ASTM D638	%	20	40	40	20	10			
Elongation at Break	23℃	ISO527-1,2	%	17	15	16	14	10	13	14	12
Flexural Strength	23℃	ISO178	MPa	77	66	64	71	70	85	80	83
Flexural Strength		ASTM D790	MPa	74	63	61	67	74			
Flexural Modulus	23℃/50%RH	ISO 178	MPa	2260	1870	1830	2180	2130	2630	2440	2630
Flexural Modulus		ASTM D790	MPa	2160	1810	1810	2100	2200			
Rockwell Hardness	23℃	ISO2039-2	R Scale	115	108	102	110				
Rockwell Hardness	23℃/50%RH	ASTM D785	Rスケール	115	108	102	110				
Charpy Impact Strength (V-notched)	23℃	ISO179	kJ/m ²	9	12	13	14	9	6	8.5	6
Ball Pressure Temp./0.1mm Vicat Softening Temp.			℃	90~90	90~90	85~85	80~85		85~90		85~90
Izod Impact Strength (V-notched)	23℃ 12.7mm	ASTM D256	J/m	108	137	147	170	107			
Izod Impact Strength (V-notched)	23℃ 3.2mm	ASTM D256	J/m	108	157	186	180				
Heat property											
HeatDeflection Temp High Load	1.80MPa	ISO75-1,2	℃	77	76	74	75	73	78	78	78
HeatDeflection Temp(Unannealed)High Load	6.4mm/1.82MPa	ASTM D648	℃	83	81	80	79	77			
Flammability		UL94	rank/thickness mm	HB	HB	HB	HB	V-2(1.5mm)	HB	HB	HB
Molding property											
Mold shrinkage	23℃/50%RH	Toray Method	%	0.4-0.6	0.4-0.6	0.4-0.6	0.4-0.6	0.5-0.7	0.4-0.6	0.4-0.6	0.4-0.6
Melt Flow Rate	220℃/98N	ISO 1133	g/10min	25	18	23	18	22	28	26	30
Optical property											
Total Light Transmission	23℃/50%RH 3mm thickness	ISO 13468	%	88	86	85	86	84	87	87	78
Haze	23℃/50%RH 3mm thickness	ISO 14782	%	2	2	3	3	5	3	2.4	16

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