

Property	Test Method	Unit	General Use				High Flow		High Flow		High Gloss			Chemical Resistant		
			High Rigidity	Middle Impact & High Rigidity	High Impact	Super High Impact	High Flow		High Flow	Super High Flow	Middle Impact	High Impact	High Flow	Chemical Resistant	High Chemical Resistant	Super High Chemical Resistant
			TECHNO ABS 110 <17A>	TECHNO ABS 130 <15>	TECHNO ABS 150 <12A>	TECHNO ABS 170 <10>	TECHNO ABS 300		TECHNO ABS 330 <38>	TECHNO ABS 350 <35>	TECHNO ABS 130C <15B>	TECHNO ABS 150C <12B>	TECHNO ABS 330C <38B>	TECHNO ABS 400 <YT-552>	TECHNO ABS 410	TECHNO ABS R790 <TFB310>
Tensile Strength	ISO 527	M Pa	52	47	43	35	43		44	40	45	43	47	49	39	49
Flexural Strength	ISO 178	M Pa	82	75	69	54	70		70	63	70	69	73	76	56	59
Flexural Modulus	ISO 178	M Pa	2,550	2,470	2,290	1,750	2,310		2,320	2,130	2,200	2,180	2,260	2,400	1,670	1,950
Charpy Impact	ISO 179	KJ/m2	12	20	26	36	22		19	23	22	26	9	16	12	23
Rockwell Hardness	ISO 2039	-	R113	R109	R105	R89	R108		R108	R104	R109	R108	R108	R109	R92	R99
Melt Mass Flow Rate	ISO 1133	g/10Min. Test condition	23.0 220°C,98N	18.0 220°C,98N	16.0 220°C,98N	9.0 220°C,98N	30.0 220°C,98N		42.0 220°C,98N	55.0 220°C,98N	18.0 220°C,98N	18.0 220°C,98N	56.0 220°C,98N	17.0 220°C,98N	14.0 220°C,98N	16.0 220°C,98N
Temp. of Deflection	ISO 75 (Under Load)	°C	83	80	79	76	78		78	77	78	79	80	79	73	79
Density	ISO 1183	-	1.05	1.05	1.04	1.03	1.05		1.05	1.04	1.05	1.04	1.05	1.05	1.06	1.06
Molding Shrinkage	ISO 294-4	Low High	0.40 0.60	0.40 0.60	0.40 0.60	0.40 0.60	0.40 0.60		0.40 0.60	0.40 0.60	0.30 0.60	0.30 0.60	0.30 0.60	0.40 0.60	0.40 0.60	0.40 0.60
Flammability	UL94	Min. Thick (mm)	HB	HB	HB		HB		HB	HB		HB	HB	HB		HB
		Flame Class														
		color	ALL	ALL	ALL		ALL		ALL	ALL		ALL	ALL	ALL		ALL
Surface Resistivity	ASTM D257	Ω														
Static Voltage	JIS L1094	V														
JHOSPA	JHOSPA	-														
Tensile Strength	ASTM D638	M Pa kgf/cm2	53.9 550	49.0 500	43.1 440	35.3 360	47.0 480		47.1 480	41.2 420	48.1 490	47.1 480	49.0 500	54.9 560		52.0 530
Flexural Strength	ASTM D790	M Pa kgf/cm2	91.2 930	88.3 900	73.5 750	58.8 600	78.4 800		81.4 830	72.6 740	81.4 830	76.5 780	82.4 840	93.2 950		80.4 820
Flexural Modulus	ASTM D790	M Pa kgf/cm2	2,990 30,500	2,750 28,000	2,350 24,000	1,860 19,000	2,480 25,300		2,600 26,500	2,350 24,000	2,750 28,000	2,600 26,500	2,700 27,500	2,940 30,000		2,300 23,500
Izod Impact	ASTM D256	kgf cm/cm J/m	16 157	20 196	32 314	40 392	22 215		18 177	23 226	25 245	33 324	12 118	17 167		25 245
Rockwell Hardness	ASTM D785	-	R114	R112	R106	R91	R108		R110	R105	R110	R109	R111	R114		R102
Deflection Temp.	ASTM D648	°C	94	91	90	89	91		90	88	91	93	92	93		93
Specific Gravity	ASTM D792	-	1.05	1.05	1.04	1.03	1.05		1.05	1.04	1.05	1.04	1.05	1.05		1.06

Typical molding condition

Predrying temperature	B	B	B	B	B		B	B	B	B	B	B	B	B	B
temperature	4	4	4	4	4		4	4	4	4	4	4	4	4	4
Mold temperature	T	T	T	T	T		T	T	S	S	S	T	T	T	

Information of typical molding condition are showed on page 37 and 38.