

Item	Test Method		Unit	AR-SC-0	AR-SC-5	AR-SC-15	AR-SC-30	AR-SC-45	AR-SC-65	AR-SC-75	AR-SC-94
	Characteristic		-	Standard							High hardness
Hardness	JIS K 6253	typeA	point	0(E11)	3(E22)	13	23	41	60	73	94
Specific Gravity	JIS K 7112		-	0.86	0.89	0.89	0.89	0.89	0.9	0.9	0.9
Melt Flow Rate	ASTM D 1238	125 × 21.2N	g/10min	8	-	-	-	-	-	-	-
		150 × 21.2N	"	-	14	11	16	-	-	-	-
		190 × 21.2N	"	> 100	-	-	-	24	15	10	5.0
Tensile strength	JIS K 6251		MPa	1.3	2.4	3.5	3.7	6.8	8.7	10.1	15.1
300%Modulus	"		"	0.1	0.2	0.5	0.8	2.4	3.4	4.6	10.6
Elongation	"		%	1180	1060	1190	680	600	680	670	730
Tear Strength	JIS K 6252		kN/m	5	6	8	9	24	40	48	102
Rebound resilience	JIS K 6255		%	63	76	77	77	71	56	53	31
Taber abrasion Test	JIS K 6264	H22 × 9.8N × 1000C ycle	mg	-	-	-	-	420	296	175	175
Compression Set	JIS K 6262	23 × 24hr	%	9	19	44	35	24	23	22	38
		70 × 24hr	"	100	100	100	100	100	99	95	68
Softening Temperature	our method 1			-	-	-	-	55	66	77	142
Brittleness Temperature	JIS K 7216		"	<-60							<-40
Weather resistance	-		-	○							
Mold Shrinkage (Vertical/Flowing directions)	our method 2		%	0.1/5.7	0.3/6.3	0.1/7.2	0.3/1.8	1.0/1.8	1.2/1.9	1.1/1.9	0.3/0.4
Molding Method	-		-	Injection ・ Extrusion							
Drying	-		-	unnecessary							
Color	-		-	Transparent							
Total Light Transmittance	JIS K 7361		%	91	91	90	90	89	-	-	85
Haze	JIS K 7136		"	7	7	7	8	7	25	20	20
Fusion strength	our method	PP	-	○	○	○	○	○	○	○	○
		ABS	-	×	×	×	×	×	×	×	×
		PC	-	×	×	×	×	×	×	×	×
		PET	-	×	×	×	×	×	×	×	×
		6Ny(PA)	-	×	×	×	×	×	×	×	×
		PBT	-	×	×	×	×	×	×	×	×
		POM	-	×	×	×	×	×	×	×	×
		PVC	-	×	×	×	×	×	×	×	×

Melting point	our method (DSC)	-	-	-	-	-	-	-	-	165
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The values shown in the table are representative ones and not guaranteed.

The figures in the table are subject to change without notice.

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- 1 Softening temperature measurement method: Vicat softening temperature (at temperature rise rate of 50 /hour and load of 2.5N) was determined with a needle inserted by 1mm.
- 2 Shrinkage : A film gate sheet (126mm x 126mm x 2mm) was formed (at mold temperature of 40 and cooling period of 40 seconds) .
- 3 This is a grade that is made to order and sold.