

Low CS grade AR-1000 series (Elastomer AR / TPS)

ARONKASEI CO., LTD.

Item	Test Method		Unit	AR-1040	AR-1050	AR-1060
	Characteristic		-	Standard		
Hardness	JIS K 6253	typeA	point	40	50	60
Specific Gravity	JIS K 7112		-	1.12	1.15	1.15
Melt Flow Rate	ASTM D 1238	230 × 49N	g/10min	1	2	2
Tensile strength	JIS K 6251		MPa	4.6	6.1	7.2
300%Modulus	"		"	3.3	3.8	5.4
Elongation	"		%	420	510	450
Tear Strength	JIS K 6252		kN/m	12	15	17
Rebound resilience	JIS K 6255		%	47	47	39
Taber abrasion Test	JIS K 6264	H22 × 9.8N × 1000Cycle	mg	1029	718	550
Compression Set	JIS K 6262	23 × 24hr	%	10	10	12
		70 × 24hr	"	12	12	21
		100 × 24hr	"	23	25	26
Softening Temperature	our method 1			97	100	128
Brittleness Temperature	JIS K 7216		"	<-50		
Weather resistance	-		-			
Mold Shrinkage (Vertical/Flowing directions)	our method 2		%	0.4/3.1	0.3/2.8	0.5/2.3
Molding Method	-		-	Injection ・ Extrusion		
Drying	-		-	unnecessary		
Color	-		-	Black		
Fusion strength	our method	PP	-			
		ABS	-	x	x	x
		PC	-	x	x	x
		PET	-	x	x	x
		6Ny(PA)	-	x	x	x
		PBT	-	x	x	x
		POM	-	x	x	x
PVC	-	x	x	x		
Flame Retardance	UL-94		-	HB	HB	HB

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.