

Flame retardant grade AR-NF series (Elastomer AR / TPS)

ARONKASEI CO., LTD.

Item	Test Method		Unit	AR-NF0-80B
	Characteristic		-	UL : V-0
Hardness	JIS K 6253	typeA	point	80
Specific Gravity	JIS K 7112		-	1.18
Melt Flow Rate	ASTM D 1238	200℃×49N	g/10min	0.8
Tensile strength	JIS K 6251		MPa	5.8
300%Modulus	〃		〃	3.6
Elongation	〃		%	590
Tear Strength	JIS K 6252		kN/m	24
Rebound resilience	JIS K 6255		%	33
Taber abrasion Test	JIS K 6264	H22×9.8N×1000Cycle	mg	1234
Compression Set	JIS K 6262	23℃×24hr	%	17
		70℃×24hr		40
		100℃×24hr		85
Softening Temperature	our method ※1		℃	96
Brittleness Temperature	JIS K 7216		℃	<-60
Mold Shrinkage (Vertical/Flowing directions)	our method ※2		%	0.9/1.0
Molding Method	-		-	Injection
Drying	-		-	necessary(80～90℃×3～4hour)
Color	-		-	Black
Flame Retardance	UL-94		-	V-0

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.