Basic Metals, Inc.

The Cutting Edge Source
For Your Metal Needs

5052 Aluminum Alloy

Alloy / Temper	Specified Thickness Range	Ultimate		Yield		Elongation Percent Min. in 2 in. or 4D
		Min.	Max.	Min.	Max.	
5052 / O	.006 - .007	25	31	9.5	----	14
	.008 - .012	25	31	9.5	----	14
	.013 - .019	25	31	9.5	----	15
	.020 - .031	25	31	9.5	----	16
	.032 - .050	25	31	9.5	----	18
	.051 - .113	25	31	9.5	----	19
	.114 - .249	25	31	9.5	----	20
	.250 - 3.000	25	31	9.5	----	18
5052 / H32	.017 - .019	31	38	23	----	4
	.020 - .050	31	38	23	----	5
	.051 - .113	31	38	23	----	7
	.114 - .249	31	38	23	----	9
	.250 - .499	31	38	23	----	11
	.500 - 2.000	31	38	23	----	12
5052 / H34	.009 - .019	34	41	26	----	3
	.020 - .050	34	41	26	----	4
	.051 - .113	34	41	26	----	6
	.114 - .249	34	41	26	----	7
	.250 - 1.000	34	41	26	----	10
5052 / H36	.006 - .007	37	44	29	----	2
	.008 - .031	37	44	29	----	3
	.032 - .162	37	44	29	----	4
5052 / H38	.006 - .007	39	----	32	----	2
	.008 - .031	39	----	32	----	3
	.032 - .128	39	----	32	----	4
5052 / H39	.006 - .063	41	----	----	----	1
5052 / H112	.250 - .499	28	----	16	----	7
	.500 - 2.000	25	----	9.5	----	12
	2.001 - 3.000	25	----	9.5	----	16
5052 / H391	.008 - .125	42	----	35	----	3

W180 N11819 River Lane • P.O. Box 757 • Germantown, WI 53022
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Recommended Minimum Bend Radii for 90-Degree Cold Forming of Sheet & Plate								
Temper	**1/64 in.**	**1/32 in.**	**1/16 in.**	**1/8 in.**	**3/16 in.**	**1/4 in.**	**3/8 in.**	**1/2 in.**
O	0	0	0	1/2t	1t	1t	1 1/2t	1 1/2t
H32	0	0	1t	1 1/2t	1 1/2t	1 1/2t	1 1/2t	2t
H34	0	1t	1 1/2t	2t	2t	2 1/2t	2 1/2t	3t
H36	1t	1 t	1 1/2t	2 1/2t	3t	3 1/2t	4t	4 1/2t
H38	1t	1 1/2t	2 1/2t	3t	4t	5t	5 1/2t	6 1/2t

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