

Selecting the right Hardness

15th June 2021

To Whom It May Concern:

The hardness of rubber is typically measured in the scale Shore A. Values range from 10-90° Shore A, 10° being the softest. This grade exhibits extraordinary elastic properties and elongation figures approaching 1000% according to DIN53505.

The most used hardness is 60° Shore A and is specified in the majority of applications.

90° Shore A is a very hard rubber with limited elasticity but serves its purpose where a close to rigid format is required.

Below is a comparison chart of shore A versus other shore values. Please note this is a guideline only and should not be used in preparation of specifications.

Shore A	Shore B	Shore C	Shore D	Shore O	Shore OO	RHD
5	-	-	-	8	45	-
10	-	-	-	14	55	-
15	-	-	-	21	62	-
20	-	-	-	28	70	-
25	6	-	-	35	76	-
30	12	9	6	42	80	28
35	17	12	7	48	83	35
40	27	14	8	53	86	39
45	32	17	10	57	88	44
50	37	20	12	61	90	49
55	42	24	14	65	91	54
60	47	28	16	69	93	62
65	51	32	19	72	94	64
70	56	37	22	75	95	68
75	62	42	25	79	97	74
80	66	47	29	84	98	80
85	71	52	33	-	-	85
90	76	59	39	-	-	90
95	81	70	46	-	-	95
100	85	77	58	-	-	100