



## DUROMETER

Durometer is a measure of the hardness of a material, which can be defined as the material's resistance to permanent indentation. There are several scales for measuring hardness. The scale used is dependent on the material's properties. Three scales commonly used to measure the hardness of rubber are Type A (Shore) for soft rubber and plastics, Type D (Shore) for hard rubber and plastics, and Type OO (Shore) for sponge and foam rubber and plastics (not for use on foamed latex). Higher numerical values indicate a harder material.

### APPROXIMATE DUROMETER HARDNESS COMPARISONS

Shore A	Shore D	Shore 00
5		45
0		55
5		62
0		70
25		76
30	6	80
35	7	83
0	8	86
45	10	88
50	12	90
55	14	91
60	16	93
65	19	94
70	22	95
75	25	97
80	29	98
85	33	
90	39	
95	46	
100	58	

### DUROMETER EXAMPLES

Material	Durometer	Scale
Door seal	55	A
Automotive tire tread	70	A
Soft skateboard wheel	70	A
Hockey puck	91	A
Hard skateboard wheel	100	A
Rubber band	25-40	A
Rubber shoe heel	70-80	A
Solid truck tires	50	D
Bowling ball	55	D
Non-spark hammer	60	D
Formica	75	D
Hard Hat	75	D
Steel	100	D
Chewing gum	20	OO
Racquet ball	35	OO

The above values are approximate and are not to be used as an exact equivalent. This information is provided as a selection guide only.