



MECHANICAL RUBBER

Durometer* Conversion Chart

Approximate Hardness Value
(to be used as a guide)

Type	Extra Soft / Soft (Chewing Gum)				Medium Soft (Pencil Eraser)			Medium Hard (Windshield Wiper Blade)							Hard (Skate Wheel)			Extra Hard (Bowling Ball)		
Shore A Rubber, Soft Plastic & Polyurethane	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Shore B** Rigid Rubber				6	12	17	22	27	32	37	42	47	51	56	62	66	71	76	81	85
Shore C** Rubber & Plastic						9	12	14	17	20	24	28	32	37	42	47	52	59	70	77
Shore D Hard Rubber & Plastic						6	7	8	10	12	14	16	19	22	25	29	33	39	46	58
Shore O** Soft Rubber	8	14	21	28	35	42	48	53	57	61	65	69	72	75	79	84				

Type	Soft (Slice of Bread)				Medium Soft (Seat Cushion)			Medium Firm (Mouse Pad)							Firm (Tennis Ball)	
Shore OO Sponge	45	55	62	70	76	80	83	86	88	90	91	93	94	95	97	98

Type	Very Soft (Slice of Bread)		Extra Soft (Pillow)		Soft (Mattress)		Firm (Tennis Ball)		Extra Firm (Styrofoam Cup)		Very Firm (Life Preserver)	
Density (lb/ft³) Foam	0 - 2		2 - 5		5 - 9		9 - 13		13 - 16.5		16.5+	

*Durometer is the standard for hardness measurement of rubber, plastic, sponge & non-metallic material.

** Not commonly used