

Test Method	Range of Application	Standard	Minimum material thickness [mm]	Mode
Shore A	soft rubber, elastomers, natural rubber products, neoprene, casting resin, polyester, soft PVC, leather, pressure rollers, etc	DIN EN ISO 868	4	StandardStd. Graph
		DIN ISO 7619, ASTM D 2240, NFT 51-174, BS903 Part. A 26	6	
Shore B	middle hard materials from rubber, typewriter roles, flat materials	ASTM D 2240	6	StandardStd. Graph
Shore 0	soft elastic materials, pressure rolls, middle firm, textile fabrics, nylon, orlon, perlon, rayon	ASTM D 2240	6	StandardStd. Graph
Shore A0 Shore E	Soft foam, leather covers	DIN ISO 7619 ASTM D 2240	6	StandardStd. Graph
M Shore AM Shore A/B/O	Shore A	Bareiss Standard	1.5	StandardStd. Graph
Shore D	hard rubber, hard plastics, acrylic glass, polystyrene, rigid thermoplastics, Resopal, pressure rollers, Vinyl plates, cellulose- Acetate, etc.	DIN EN ISO 868	4	StandardStd. Graph
		DIN ISO 7619, ASTM D 2240, NFT 51-174, BS903 Part. A 26	6	
M Shore D/C/D0	Shore D 0,5Molded parts	Bareiss Standard	1	StandardStd. Graph
Shore C	plastics and middle hard rubber materials	ASTM D 2240	6	StandardStd. Graph
Shore D0	plastics and middle hard rubber materials	ASTM D 2240	6	StandardStd. Graph

Shore 00	sponge- and foam rubber, cellular rubber, silicone	ASTM D 2240	6	StandardStd. Graph
Shore 000	sponge- and foam rubber, cellular rubber, silicone	ASTM D 2240	6	StandardStd. Graph
Shore 000 S	sponge- and foam rubber, cellular rubber, silicone	ASTM D 2240	6	StandardStd. Graph
Shore AM/M	Shore A	DIN ISO 7619 ASTM D 2240	1.5	StandardStd. Graph
IRHD M	Thin-walled O-rings, molded parts, norm plates	DIN ISO 48 ASTM D 1415	1	StandardStd. GraphHysteresis
IRHD H	Shore D	DIN ISO 48 ASTM D 1415	6	StandardStd. GraphHysteresis
IRHD N	Soft rubber, high elastic materials, plastic ductile materials	DIN ISO 48 ASTM	6	StandardStd. GraphHysteresis
IRHD L	Moss- and cell rubber, foam rubber, silicone	DIN ISO 48, ASTM D 1415	10	StandardStd. GraphHysteresis
VLRH	Moss- and cell rubber, foam rubber, silicone	DIN ISO 27588 DIN ISO 48-3	2	StandardStd. GraphHysteresis

MEASURING METHOD	STANDARDS	TOTAL FORCE	CLAMPING FORCE	INDENTER	PRESSURE PLATE	MEASURING PATH	MEASURING RANGE
IRHD M	DIN ISO 48-2	153,3 mN	235 mN	∅ 0,395 mm	∅ 3,35 mm	0,3 mm	30 – 100
IRHD N	DIN ISO 48-2	5,7 N	8,3 N	∅ 2,5 mm	∅ 20 mm	1,8 mm	30 – 100
IRHD H	DIN ISO 48-2	5,7 N	8,3 N	∅ 1,0 mm	∅ 20 mm	0,44 mm	85 – 100
IRHD L	DIN ISO 48-2	5,7 N	8,3 N	∅ 5,0 mm	∅ 22 mm	2,08 mm	9,9 – 34,9
VLRH	DIN ISO 48-3	100,0 mN	250 mN	∅ 2,5 mm	∅ 6,0 mm	1,0 mm	0 – 100
Pusey & Jones	ASTM D531 DIN ISO 48-8	1000 g	-	∅ 3,175 mm	-	3,0 mm	0 – 300
Gelomat 0 – 2 N		2 N	-	∅ 3,57 mm	-	2,5 mm	0 – 2
Gelomat 0 – 20 N		20 N	-	∅ 10,0 mm	-	2,5 mm	0 – 20
Shore A	ASTM D2240 EN ISO 868 DIN ISO 48-4	8050 mN	1 kg	35°	∅ 18 mm	2,5 mm	0 – 100
S. AM/M	ASTM D2240 DIN ISO 48-4	764 mN	250 g	30°	∅ 9 mm	1,25 mm	0 – 100
Shore E	ASTM D2240	8050 mN	1 kg	∅ 5 mm	≥ 500 mm ²	2,5 mm	0 – 100
Shore A0	DIN ISO 48-4	8050 mN	1 kg	∅ 5 mm	≥ 500 mm ²	2,5 mm	0 – 100
L / L/c		8050 mN	1 kg	∅ 5 mm	∅ 18 mm	2,5 mm	0 – 100

Shore D	ASTM D2240 EN ISO 868 DIN ISO 48-4	44450 mN	5 kg	30°	∅ 18 mm	2,5 mm	0 – 100
Shore B	ASTM D2240	8050 mN	1 kg	30°	∅ 18 mm	2,5 mm	0 – 100
Shore C	ASTM D2240	44450 mN	5 kg	35°	∅ 18 mm	2,5 mm	0 – 100
Shore D0	ASTM D2240	44450 mN	5 kg	3 / 32"	≥ 500 mm ²	2,5 mm	0 – 100
Shore 0	ASTM D2240	8050 mN	1 kg	3 / 32"	∅ 18 mm	2,5 mm	0 – 100
Shore 00	ASTM D2240	1111 mN	400 g	3 / 32"	≥ 500 mm ²	2,5 mm	0 – 100
Shore 000	ASTM D2240	1111 mN	400 g	r = 6,35	≥ 500 mm ²	2,5 mm	0 – 100
Shore 000 S	ASTM D2240	1.932 mN	400 g	r = 10,70	≥ 500 mm ²	5,0 mm	0 – 100
M Shore A	TD 00002001	108 mN	235 mN	30°	∅ 6 mm	1 mm	0 – 100
M Shore D	TD 00002002	9120 mN	500 g	30°	-	0,9 mm	5,4 – 82,5
Asker C	SRIS 0101	8,382 N	1 kg	∅ 5,08 mm	≥ 500 mm ²	2,54 mm	0 – 100
Asker F	Factory Standard	4,462 N	0,5 kg	∅ 25,2 mm	∅ 80 mm	2,5 mm	0 – 100
Barcol	ASTM D2583 DIN EN 59	71,3 N	10 kg	26°	∅ 2 mm	0,76 mm	0 – 100

————— SOFT ————— MEDIUM ————— HARD —————