


Measuring Ranges and Applications

| |  Shore Application | |
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| | | Material thickness |
| A | soft rubber, elastomers, natural rubber products, neoprenes, casting resin, polyester, soft-PVC, leather etc. | from 6 mm on, DIN 53505 |
| D | hard rubber, hard plastic materials, acrylic glass, polystyrol, rigid thermoplastics, resopal printing rolls, vinyl-plates, cellulose-acetate etc. | from 6 mm on, DIN 53505 |
| B | medium hard materials of rubber, typewriter rolls, plates | from 6 mm on, ASTM D 2240 |
| C | plastics and medium hard rubber materials | from 6 mm on, ASTM D 2240 |
| DO | plastics and medium hard up to hard rubber materials | from 6 mm on, ASTM D 2240 |
| O | soft elastic materials, printing rolls, medium fast textiles, nylon orlon, perlon, rayon | from 6 mm on, ASTM D 2240 |
| OO | sponge rubber, foam rubber | from 6 mm on, ASTM D 2240 |
| | IRHD Application | Material thickness |
| normal | soft rubber, highly flexible materials, plastic deformable materials | from 6 - 10 mm on, DIN 53519 / 1 |
| soft | like IRHD normal | from 10 - 12 mm on, to DIN 53519 / 1 |
| micro | thin walled O-rings, moulded parts, standardized plates | from 0,8 - 5 mm on, to DIN 53519 / 2 |
| super-soft | sponge rubber, very soft gaskets and seals | from 4 mm on, no standards |
| H | hard materials like Shore D | from 6 - 10 mm on , ISO 48 |
| | Application | Material thickness |
| N | elasticity of the bread crumb elastic characteristics of gelatine capsules pectine, pastes and lots more | no standards |
| FFF | firmness of the fruit pulp of peaches, apricots, plums, cherries, tomatoes, strawberries, apples, avocados etc. | no standards |