

Shore Hardness (ASTM D-2240)

Shore hardness is a relative measure of exactly what the term implies – hardness. The test methods employed vary greatly from a field applied test to a very controlled laboratory test. Any testing carried out as well as their results are dependent on the sample configuration with a completely flat surface being a necessity. Testing should be performed by an experienced individual and generally in cooperation with a manufacturer’s field representative. Field measuring devices are available from various suppliers. Contact Pecora’s Technical Service Group for sourcing of Shore hardness gauges.

Shore Hardness Scale

SHORE DUROMETER CONVERSION TABLE	
SHORE A	SHORE D
100	58
95	46
90	39
85	33
80	29
75	25
70	22
65	19
60	16
55	14
50	12
45	10
40	8
35	7
30	6
25	
20	
15	
10	
5	

The Shore “A” Durometer is utilized to measure elastomeric materials that are relatively soft in nature such as a silicone or polyurethane sealant, while the Shore “D” Durometer is utilized to measure the hardness of harder materials such as rigid epoxy based materials. Both scales are from 0 to 100; hence a unit to unit correlation is not always possible dependent upon the particular hardness of the material being measured.



Typical indentation shore hardness gauge for field use.

TAMPER PROOF SEALANTS

TAMPER RESISTANT SEALANTS

