MAXCESS®

VALLEY ROLLER

Valley Roller Coverings Comparison Chart

ValleyRoller
A MAXCESS BRAND

PHYSICAL PROPERTIES & CHEMICAL RESISTANCE CHART 5 = Excellent 4 = Above Average 3 = Average 2 = Fair 1 = Poor	Val-Rite™	Val-Rite™ OZ	Flex-Rite™ Cool Nip	Polar-Rite™	Val-Thane®	Dura-Coat® & Dura-Treat™	Epichlorohydrin	Grip-Rite™	Butyl	Polybutadiene	Urelast™	Poly-Thane™	SBR	Silicone Ultra-Dyne™	Fluoroelastomer	Val-Coat®
Hardness Shore A	25 - 90	25 - 90	25 - 90	30 - 95	50 - 97	30 - 95	40 - 95	30 - 90	40 - 70	40 - 80	40 - 95	40 - 95	40 - 95	30 - 95	50 - 90	50 - 99
P&J Hardness	30-250	30-250	30-300	30-270	10-160	5-270	NA	3-30	NA	1-230	3-230	3-230	5-180	NA	30-160	5-160
Tensile Strength	3	3	4	2	5	3	3	4	2	4	5	5	3	2	3	5
Modulus	3	3	4	3	5	4	3	3	2	3	5	5	4	3	3	5
Elongation	3	3	3	3	3	3	3	5	4	5	4	4	3	4	3	4
Tear Strength	3	3	3	2	5	3	3	5	2	5	5	5	3	2	3	5
Cut Resistance	3	3	3	2	5	3	3	4	2	4	5	5	3	2	3	5
Compression Set Resistance	4	3	3	3	2	4	3	3	2	3	3	3	3	5	3	5
Permanent Set Resistance	5	4	4	3	3	3	3	4	2	4	4	4	3	4	3	5
Resiliance	4	4	4	3	2	2	3	5	2	5	4	4	3	5	3	5
Hysteresis	5	2	3	2	1	3	3	4	2	3	5	5	3	5	2	5
Abrasion Resistance	3	3	3	3	5	5	3	5	2	5	5	5	3	1	3	5
Ozone Resistance	3	3	4	5	1	5	4	1	1	1	4	4	1	5	5	3
Hydrolytic Stability	5	5	5	5	5	5	5	5	5	5	1	2	5	5	5	5
Dielectric Strength	1	2	2	1	1	5	1	2	2	1	2	2	1	5	3	2
Release	3	3	3	1	1	4	1	2	1	3	2	2	2	5	5	3
Maximum Service Temp	250	250	250	340	275	300	300	212	225	225	212	212	250	500	650	350
Acids	2	3	4	5	2	5	4	3	4	3	1	1	3	4	5	3
Caustics	3	3	4	5	3	5	4	3	4	3	1	1	3	4	5	4
Aliphatic Hydrocarbons	5	5	3	1	5	3	5	1	1	1	5	2	1	2	5	5
Aromatic Hydrocarbons	3	4	2	2	3	2	2	1	1	1	5	1	1	3	5	3
Chlorinated Hydrocarbons	1	1	1	1	1	1	2	1	1	1	2	1	1	3	5	1
Esters	1	1	3	5	1	3	2	5	5	4	2	1	4	3	2	1
Alcohols	5	5	4	5	4	4	4	5	5	5	4	3	5	4	2	5
Water	4	4	3	5	3	4	4	5	5	5	1-4	2-4	5	4	4	5
Glycols	5	5	4	5	3	4	4	5	5	5	2	2	5	4	4	5
Ketones	2	1	3	5	2	3	2	5	5	5	2	1	4	3	1	2