

TYPICAL PROPERTIES OF VULKOLLAN®

	Test standard	Units	Vulkollan grade			
Mechanical properties	ISO		18	21	25	30
Shore A/D hardness	868		83/29	89/35	92/36	95/40
Density	1183	Mg/m ³	1.26	1.26	1.26	1.26
Stress at 100% strain	37	Mpa	4.3	5.9	8.0	10.6
Stress at 300% strain	37	Mpa	7.8	10.4	12.8	15.8
Ultimate tensile strenght	37	Mpa	50	54	53	42
Elongation at break	37	%	660	700	740	692
Tear propagation resistance	34	kN/m	31	38	54	67
Rebound resilience	4662	%	65	64	62	61
Abrasion	4649	mm ³	37	32	28	26
Taber abrasion (S42 / 4.9 N)	9352	Mg/m ³	3.5	4.0	6.1	7.5
Compression set	815					
70h / 23°C		%	8	9	10	14
24h / 70°C		%	18	19	19	20
Linear coefficient of thermal expansion	VDE 0304	10 ⁻⁶ x K ⁻¹	from 160 to 200	from 160 to 200	from 160 to 200	from 160 to 200

These figures are intended as guide values for a standard Vulkollan® formulation