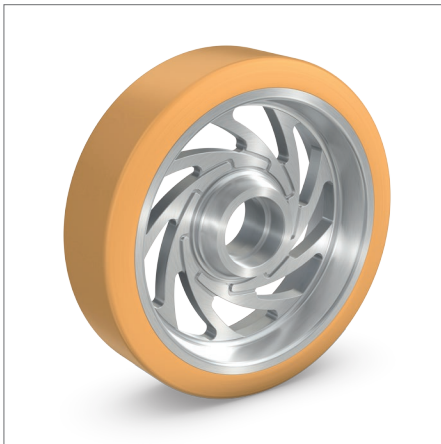


Technical Information

VULKOLLAN® 93° Shore A



VULKOLLAN® (93° Shore A)/HYDROLYSIS-STABILISED VULKOLLAN®

VULKOLLAN® is a highly elastic, cross-linked polyurethane elastomer based on Desmodur® 15 with excellent mechanical properties. This includes high dynamic load capacity, high abrasion resistance and tear growth resistance, the highest modulus of elasticity of all elastomers, high mechanical wear resistance as well as high impact resilience and low compression set. As a result, VULKOLLAN® is the preferred choice for use in drive wheels and load wheels in industrial

trucks, materials handling and mechanical engineering. For applications in tropical environments, we recommend hydrolysis-stabilised VULKOLLAN®.

- Long service life
- High load capacities
- High speeds
- High impact resilience

Technical Informationen	Standards	Unit	
Shore hardness A	ISO 7619	--	93 ° (± 3)
Density	ISO 1183	g/cm ³	approx. 1,2
Elongation at break	DIN 53 504	%	approx. 650
Stress value at 100%	DIN 53 504	MPa	9,5 - 10,0
Rebound resilience	DIN 53 512	%	55 - 60
Determination of tear strength	ISO 34	kN/m	60 - 65
Compression set 70 h, 23°C	ISO 815	%	10 - 11
Abrasion resistance	ISO 4649	mm ³	39
Coefficient of friction (traction) on wet floor at 8000 N		--	0,1
Rolling resistance at 20°C of charge (average)		%	0,8 - 0,9
Starting resistance at 20°C of charge (average)		%	1,1 - 1,4

All values indicated in this table are approximative values resulting from our own tests or information given by our raw material suppliers. The standardised tests refer to special test samples. Therefore these values are not directly applicable to wheels and castors. Furthermore these values change under such influences as temperature, humidity, duration of charge, rate of deformation, etc. For more information please visit www.raedervogel.de.

No legal obligation.