

Technical Information

VULKOLLAN® 93 Shore A



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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.

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

Technical Information	Standard		Unit	Value
Hardness	DIN ISO	7619-1	Shore A	93 (± 3)
Density	DIN EN ISO	1183-1	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	DIN ISO	34-1	kN/m	60 - 65
Compression set 70 h, 23°C	DIN ISO	815-1	%	10 - 11
Abrasion resistance	DIN 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.

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