

# Technical Information

## VULKODYN® 94 Shore A



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VULKODYN® 94 Shore A is a highly elastic polyurethane elastomer which we have developed for extremely dynamic applications. The material has excellent properties such as approximately 20 % lower rolling resistance, higher load capacity at the same speeds, better driving comfort thanks to good damping, lower risk of flat spots during stoppages, hydrolysis resistance and better traction.

VULKODYN® 94 Shore A is therefore particularly suited for use at high speeds.

- Long service life
- Higher load capacities
- Extreme speeds
- Minimal rolling resistance
- Hydrolysis stable

Technical Information	Standard		Unit	Value
Hardness	DIN ISO	7619-1	Shore A	94 (± 3)
Density	DIN EN ISO	1183-1	g/cm <sup>3</sup>	approx. 1.2
Elongation at break	DIN	53 504	%	approx. 670
Stress value at 100 %	DIN	53 504	MPa	9.5–10
Rebound resilience	DIN	53 512	%	65–70
Determination of tear strength	DIN ISO	34-1	kN/m	65–70
Compression set 70 h, 23 °C	DIN ISO	815-1	%	9–10
Abrasion resistance	DIN ISO	4649	mm <sup>3</sup>	35
Coefficient of friction (traction) on wet floor at 8000 N			- -	0.11
Rolling resistance at 20 °C of charge (average)			%	0.65–0.7
Starting resistance at 20 °C of charge (average)			%	0.95–1.0

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](http://www.raedervogel.de).

No legal obligation.