

# Technical Information

## PEVODYN® 93° Shore A



### PEVODYN®

PEVODYN® is a new high-quality polyurethane elastomer which we have developed, to offer a significantly reduced starting and rolling resistance as well as high dynamic load capacity. The material is therefore particularly suitable for intra-logistic applications. Thanks to its hydrolysis resistance, PEVODYN® is perfectly suited for use in tropical climates.

- Long service life
- High load capacities
- High speeds
- High energy efficiency

Technical Informationen	Standards	Unit	
Shore hardness A	ISO 7619	- -	93 ° (± 3)
Density	ISO 1183	g/cm <sup>3</sup>	approx. 1,2
Elongation at break	DIN 53 504	%	approx. 520
Stress value at 100%	DIN 53 504	MPa	8,5 - 9,0
Rebound resilience	DIN 53 512	%	63 - 70
Determination of tear strength	ISO 34	kN/m	40 - 50
Compression set 70 h, 23°C	ISO 815	%	10 - 11
Abrasion resistance	ISO 4649	mm <sup>3</sup>	36
Coefficient of friction (traction) on wet floor at 8000 N		- -	0,1
Rolling resistance at 20°C of charge (average)		%	0,5 - 0,6
Starting resistance at 20°C of charge (average)		%	0,65 - 0,75

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.