

# 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 Information	Standard			Unit	Value
Hardness	DIN	ISO	7619-1	Shore A	93 (± 3)
Density	DIN	EN ISO	1183-1	g/cm³	approx. 1,2
Elongation at break	DIN	DIN	53 504	%	approx. 520
Stress value at 100%	DIN	DIN	53 504	MPa	8,5 - 9,0
Rebound resilience	ISO	DIN	53 512	%	63 - 70
Determination of tear strength	ISO	DIN	34-1	kN/m	40 - 50
Compression set 70 h, 23°C	ISO		815-1	%	10 - 11
Abrasion resistance			4649	mm³	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.