

Technical Information

PEVODYN® Soft



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PEVODYN® Soft 78 Shore A is a new high-quality polyurethane elastomer that we have developed with high dynamic load capacity and significantly reduced starting and rolling resistance. The excellent mechanical properties of the material include high cutting, tearing and abrasion resistance. Thanks to its good noise reduction and vibration damping, PEVODYN® Soft is particularly suitable for use on surfaces where care is needed. And with its hydrolysis resistance, the

material is ideally suited for use in tropical climates.

- Medium load capacities
- High speeds
- High energy efficiency
- Good noise reduction and vibration damping
- Floor preserving

Technical Information	Standard		Unit	Value
Hardness	DIN ISO	7619-1	Shore A	78 (± 3)
Density	DIN EN ISO	1183-1	g/cm ³	approx. 1,2
Elongation at break	DIN	53 504	%	approx. 500
Stress value at 100%	DIN	53 504	MPa	5,0 - 6,0
Rebound resilience	DIN	53 512	%	75 - 78
Determination of tear strength	DIN ISO	34-1	kN/m	25 - 30
Compression set 70 h, 23°C	DIN ISO	815-1	%	7,0 - 8,0
Abrasion resistance	DIN ISO	4649	mm ³	32
Coefficient of friction (traction) on wet floor at 8000 N			- -	0,13
Rolling resistance at 20°C of charge (average)			%	0,4 - 0,5
Starting resistance at 20°C of charge (average)			%	0,55 - 0,65

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.