

# Technical Information

## VULKOLLAN® Quartz



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VULKOLLAN® Quartz is a VULKOLLAN®\* composite material which we have developed for use on extremely wet, slippery and greasy surfaces. With the addition of quartz sand, the material has significantly better traction, while the excellent properties of VULKOLLAN® are preserved as much as possible. VULKOLLAN® Quartz is therefore particularly suited to the most extreme types of usage in the fish and meat industries or in creameries, although it does have an abrasive effect due to its

structure, which can damage the coating on industrial floors.

- Very high braking effect
- Very low risk of sliding
- Medium load capacities
- Medium speeds

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. 400
Stress value at 100%	DIN	53 504	MPa	7,5 - 8,0
Rebound resilience	DIN	53 512	%	40 - 45
Determination of tear strength	DIN ISO	34-1	kN/m	40 - 45
Compression set 70 h, 23°C	DIN ISO	815-1	%	11 - 12
Abrasion resistance	DIN ISO	4649	mm <sup>3</sup>	55
Coefficient of friction (traction) on wet floor at 8000 N			- -	0,2
Rolling resistance at 20°C of charge (average)			%	0,85 - 0,95
Starting resistance at 20°C of charge (average)			%	1,2 - 1,5

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.

\* VULKOLLAN® is a registered trademark of the Covestro Group.