

# Technical Information

## VULKOLLAN® ELF



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VULKOLLAN®\* ELF is a special material based on DESMODUR® 15\* for deflecting electrostatic charges. Through the addition of electrically conductive components, the discharge is carried out through the entire tread and over the entire contact area, regardless of the wear on the tread. VULKOLLAN® ELF comfortably exceeds the requirements set by the DIN EN 12527 ff standard for electrical volume resistance and is particularly suitable for use in operations where there is risk of

fire or explosion, in areas with highly densified, charged air or with extremely concentrated dust particles.

- Prevents electrostatic charges
- High load capacities

| Technical Information                                     | Standard   |        | Unit              | Value       |
|---|------------|--------|-------------------|-------------|
| Hardness  | DIN ISO    | 7619-1 | Shore A           | 95 (± 3)    |
| Density   | DIN EN ISO | 1183-1 | g/cm <sup>3</sup> | approx. 1,2 |
| Elongation at break                                       | DIN        | 53 504 | %                 | approx. 570 |
| Stress value at 100%                                      | DIN        | 53 504 | MPa               | 7,8 - 8,2   |
| Rebound resilience  | DIN        | 53 512 | %                 | 50 - 55     |
| Determination of tear strength                            | DIN ISO    | 34-1   | kN/m              | 55 - 55     |
| Compression set 70 h, 23°C                                | DIN ISO    | 815-1  | %                 | 10,5 - 11,5 |
| Abrasion resistance                                       | DIN ISO    | 4649   | mm <sup>3</sup>   | 43          |
| Coefficient of friction (traction) on wet floor at 8000 N |            |        | - -               | 0,11        |
| Rolling resistance at 20°C of charge (average)            |            |        | %                 | 0,8 - 0,9   |
| Starting resistance at 20°C of charge (average)           |            |        | %                 | 1,1 - 1,4   |

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.

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