

TR-PowerHigh

High performance

Low maintenance



The **new TR-PowerHigh polyurethane** compound is the result of the experience of **TR Lab - Test & Research laboratory and production departments of Tellure Rôta**, is the most suitable solution for **heavy duty and high speed applications**, for all types of industrial environments.

Tellure Rôta polyurethanes

TR-PowerHigh



TR Polyurethane



TR-Roll Polyurethane



Vulkollan®
VULKOLLAN®



TR ESD Polyurethane



TR-ROLL ESD Polyurethane



Key strengths	High performance even in demanding situations, low maintenance	Reliability and duration over time	Comfort and ergonomy	Elasticity and resistance	Resistance and reliability in ESD-compatible environments (R >10⁹ Ohm)	Comfort and ergonomy in ESD-compatible environments (R >10⁹ Ohm)
Load capacity	● ● ● ● ●	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●	● ● ● ○ ○	● ● ● ○ ○
Hydrolisis restitance	● ● ● ● ●	● ● ● ○ ○	● ● ● ○ ○	● ● ● ○ ○	● ● ● ○ ○	● ● ● ○ ○
Rolling resistance	● ● ● ● ●	● ● ● ○ ○	● ● ● ● ○	● ● ● ● ●	● ● ● ○ ○	● ● ● ○ ○
Capacity of overcoming obstacles	● ● ● ● ○	● ● ● ● ○	● ● ● ● ●	● ● ● ● ○	● ● ● ○ ○	● ● ● ● ○
Hardness (Shore A)	92 +/-3	92 +/-3	78 +/-3	92 +/-3	90 +/-3	75 +/-3
Tearing resistance (kN/m)	65	55	28.5	65	50	28.5
Abrasion loss (mm³)	35	38	56	39	41	59
Resilience	58%	56%	70%	59%	56%	70%
Coefficient of friction on a smooth steel surface	0.25	0.20	0.30	0.25	0.20	0.30
Temperature range	-20/+80 °C	-20/+80 °C	-20/+70 °C	-20/+80 °C	-20/+80 °C	-20/+70 °C

When choosing TR-PowerHigh

TR-PowerHigh polyurethane coated wheels are the most suitable solution in case of applications with:

- heavy loads
- speed higher than 12 km/h
- intensive use
- environments with need of hydrolysis resistance

Examples of applications

- AGVs, AMRs and robotic equipments
- material handling equipments
- equipment for amusement parks
- elevators
- powered handling inside plants



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