



TESTING

tubolito



DYNAMIC TEST

- + According to DIN ISO 4210
- + Test speed is 25km/h
- + Every 40cm bumps installed
- + Test duration is 300km, which equals 750.000 impacts



ROLLING RESISTANCE TEST

- + Can be used for all bicycle tires
- + Test speed varies within 20-30 km/h



BRAKING TEST

- + According to DIN ISO 4210
- + 15min braking
- + All Tubolito tubes compliant with caliper brakes tested and passed



SNAKEBITE TEST

- + Weight of guillotine can be varied
- + Drop height can be varied
- + Drop height increased in steps of 5cm until tube is leaking



HEAT STORAGE TEST

- + Fully mounted wheels are tested at elevated temperatures
- + Humidity is added to test environmental impacts.
- + Test setups:
 - + 4 hours at 80°C
 - + 5 days at 60°C



VALVE FALLING BALL TEST

- + 260g metal ball is dropped on the valve
- + Drop height can be varied to simulate heavy impacts on valve



PUNCTURE TEST

- + Flat needle with 0.75mm diameter used
- + Tire is prepared with a hole in such a way that only the tube gets punctured
- + Force and penetration length of the needle are recorded until puncture.



ROTATING MASS TEST

- + 2,75kg weight is connected to a chain
- + Dropping weight accelerates the wheel set to a maximum speed.
- + Test setup equals about 5W accelerating power.



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BEYOND THE NORM.

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