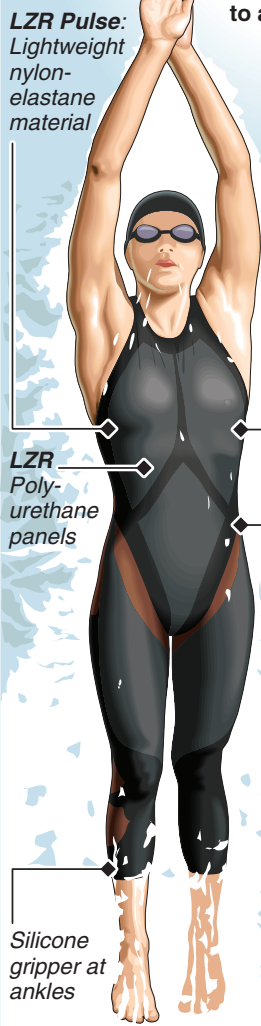


# Speedo LZR swimsuit in Olympic records boost

Swimmers wearing the LZR swimsuit have set an incredible 38 records already this year. But controversy surrounds its use, with those not eligible to wear it due to commercial obligations calling either for an outright ban or a change in rules to allow all swimmers access to their suit of choice



Silicone gripper at ankles

## SPEED BOOST



**Start:** Single most important factor – swimmer who takes lead leaves others to combat increased drag caused by wake



**Boundary layer:** Water-repellent LZR panels at strategic points on body reduce friction drag by up to 24% over previous suits



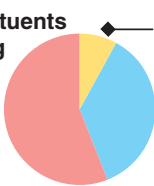
**Compression:** Reduces muscle and skin oscillation, improving efficiency of movement

**Endurance:** Corset-like abdominal “core stabiliser” maintains optimum hydrodynamic form, reducing fatigue and preventing hips hanging lower in water as race draws on

**Surface:** Seams welded by ultrasound – seamless surface reduces wave drag

## Constituents of drag

Form (body shape) 56%



Friction 8%

Wave (water oscillation) 36%



**Estimated speed gain ~2%**