

Optical Flow Sensor with Fluorescent-Conjugated Hyperelastic Pillar: A Biomimetic Approach

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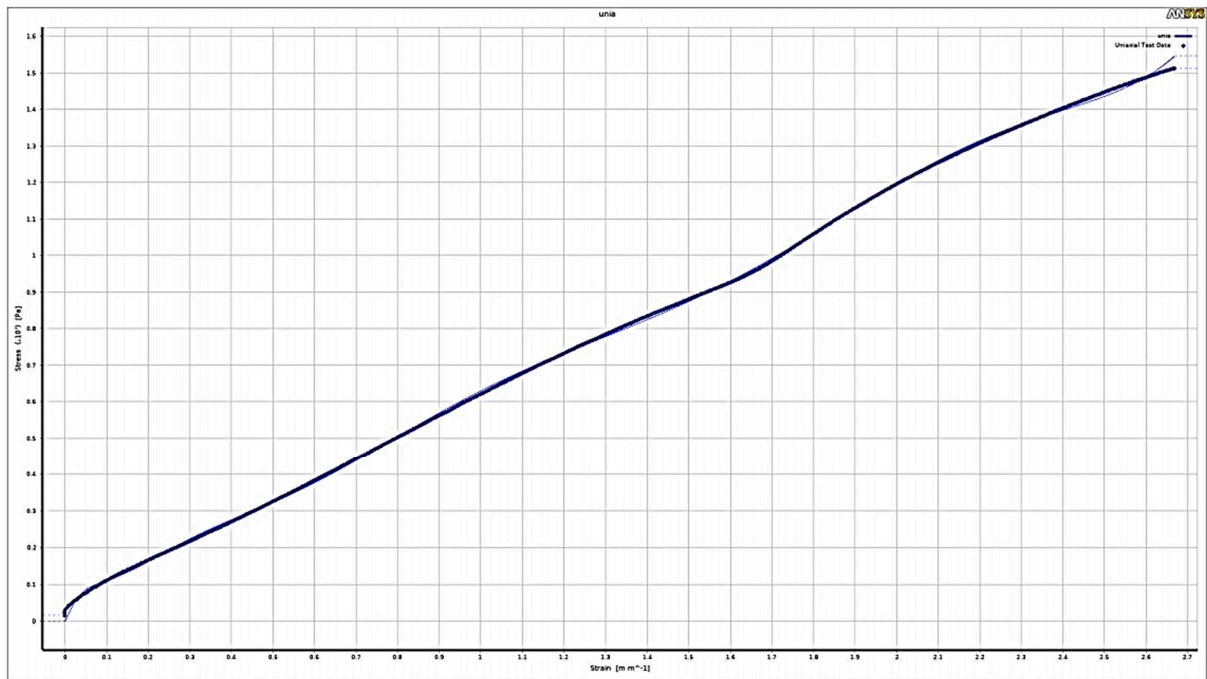


Figure S1. Results of fitting values derived from tensile test to Mooney–Rivlin nine-parameter model.

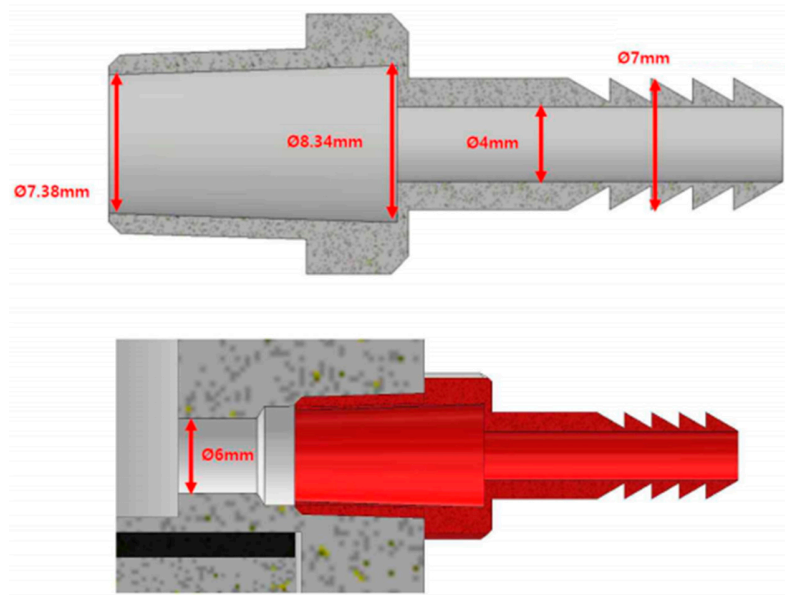


Figure S2. Detailed schematic diagram of nozzle.

▼ Boundary Condition

Mass flow ▼

☐ Apply condition on each disjoint selection separ

▼ Mass Flow

Mass flow type:
Standard flow rate ▼

Standard flow rate defined by:
Standard density ▼

Standard flow rate:
 Q_{sv} m³/s

Standard molar volume:
 V_m m³/mol

Mean molar mass:
 M_n User defined ▼ kg/mol

▼ Turbulence Conditions

☒ Specify turbulent length scale and intensity
☐ Specify turbulence variables

Turbulent intensity:
 I_T User defined ▼ 1

Turbulence length scale:
 L_T User defined ▼ m

Reference velocity scale:
 U_{ref} m/s

Figure S3. Conditions of boundary layer for flow field within chamber.