

Each file contains SMILES strings for the 100 most performant linkers with respect to one of 13 behavior descriptors. These behaviors were selected intent that they would describe linkers which are more likely than average to display pressure switching behavior.

Behavior Descriptor Key:

- 0-Hysteresis; area between force-displacement curves in compression and tension (maximize)
- 1-Step height of piecewise linear fit of Force-Displacement Curve (maximize, Linker in Compression)
- 2-Step height of piecewise linear fit of Force-Displacement Curve (maximize, Linker in Tension)
- 3-Strain at buckling * Stiffness at zero strain (minimize, Linker in Compression)
- 4-Width of the buckling transition region (minimize, Linker in Compression)
- 5-Stiffness after buckling (minimize, Linker in Compression)
- 6-Stiffness after buckling / Stiffness at zero strain (minimize, Linker in Compression)
- 7-Nonlinearity in the stiffness around zero strain (minimize, Linker in Compression)
- 8-Strain at buckling * Stiffness at zero strain (minimize, Linker in Tension)
- 9-Width of the buckling transition region (minimize, Linker in Tension)
- 10-Stiffness after buckling (minimize, Linker in Tension)
- 11-Stiffness after buckling / Stiffness at zero strain (minimize, Linker in Tension)
- 12-Nonlinearity in the stiffness around zero strain (minimize, Linker in Tension)