

Flexa Grey

Mechanical properties



Shore hardness

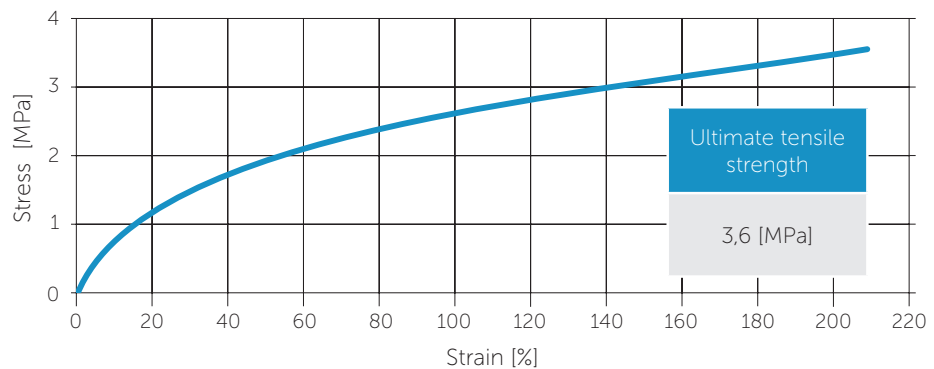
Test was taken using a durometer type A scale.

Type	Shore hardness type A scale
More Rigid	90
More Flexible	70

Tensile testing

While the tensile stress does not exceed 1,8 [MPa], after load release, the test specimens retain their shape, with no external damage observed (e.g. fractures).

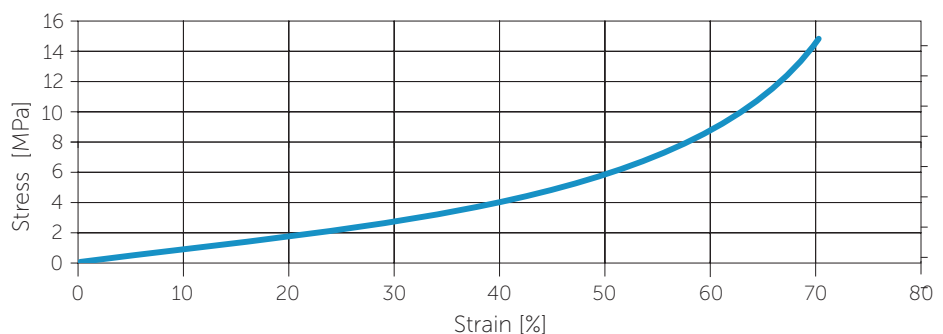
The test specimens fracture when max tensile stress of 3,6 [MPa] is applied.



Compression testing

While the compressive stress does not exceed 3,5 [MPa], after load release, the test specimens retain their shape, with no external damage observed (e.g. fractures).

After applying max compressive stress of 14,65 [MPa] and releasing the compressive load, the test specimens irreversibly change their volume from: 14,50 [mm] x 14,50 [mm] x 15,30 [mm] to: 14,85 [mm] x 14,85 [mm] x 14,85 [mm].



Information provided within this document are typical values for reference and comparison only. Parameters presented in this data sheet are subject to change. Final part properties may vary based on printed part design and print orientation. Material during tests - parameters are subject to change.