

# 3DP SILICONE

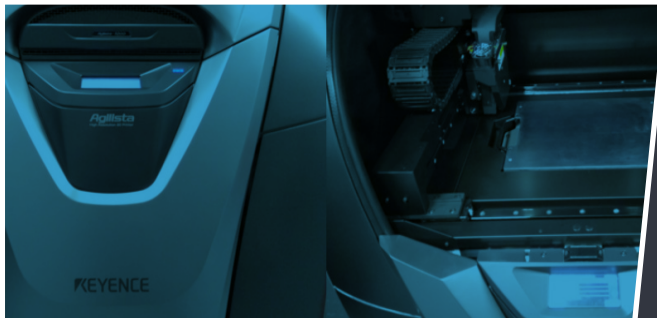
## SPECIFICATION

### PRODUCT DESCRIPTION:

Thermolabile silicone prototypes can be produced with the Protolabs 3D silicone print. The material 3DP silicone is used, which is available in Shore A hardnesses 35 and 65. The printed parts have a very good elasticity and have a milky-white appearance.

### APPLICATIONS:

3DP silicone is ideal for hoses and gaskets. Functional prototypes can be produced for initial product validation tests. The printed parts have characteristics of silicone such as as e.g. resistance, reproducibility after deformation or stress, elasticity.

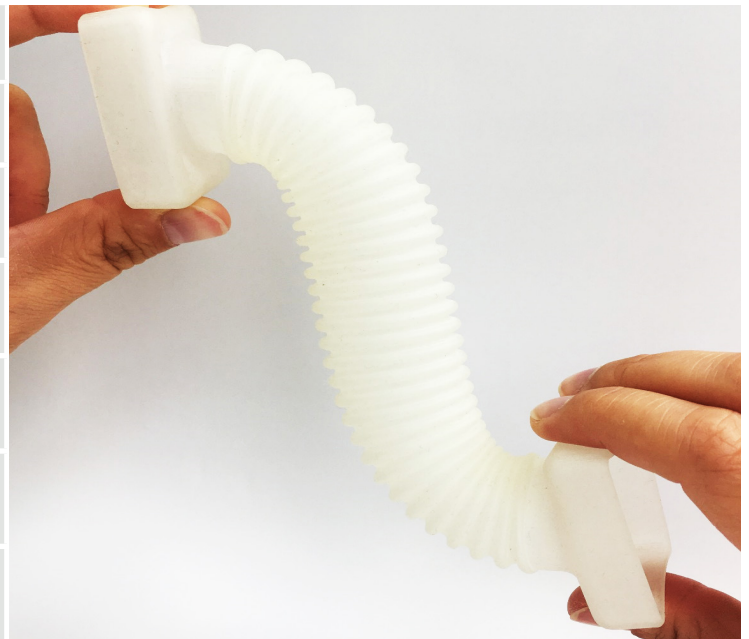


### KEY PRODUCT BENEFITS:

- High temperature and weather resistance
- Very thin-walled and elastic models possible
- Different hardnesses and bend thin parts without risk of tearing

### MATERIAL PROPERTIES:

Shore A hardness	35	65
Tensile Strength (MPa)	0.5 - 0.8	2.0 - 2.5
Elongation at break (%)	160	160
Tear strength (kg/cm)	3.1	9
Heat resistance (° C)	200	150
Cured density (g/cm <sup>3</sup> )	1.03	1.03
Water absorption (%)	< 0.4	< 0.4



Source: KEYENCE CORPORATION