envisionTEC

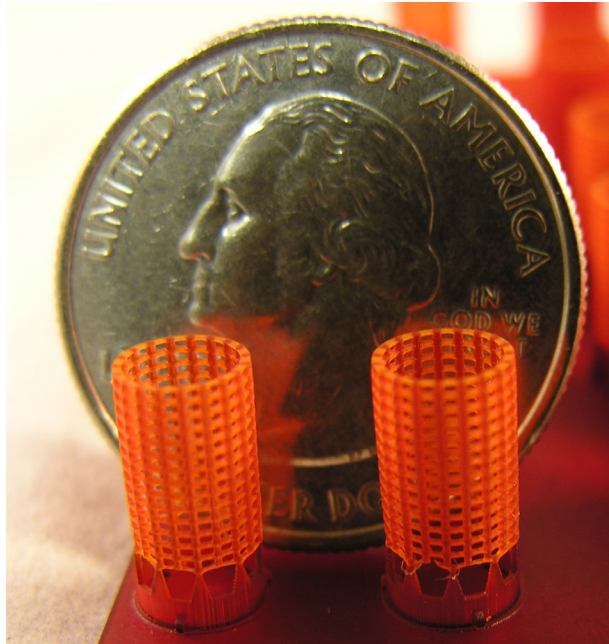# R11

EnvisionTEC R11 is a liquid photopolymer that produces robust, accurate and functional parts. The material offers superior chemical resistance, a wide processing latitude, and excellent tolerance to a broad temperature and humidity range during and after build. Parts created from R11 exhibits superior fatigue properties, strong memory retention and high-quality up-facing and down-facing surfaces. For larger parts, please consider R5 as an alternative.

Material Properties[2]		
	Description	
D638M	Tensile Strength	50 MPa
D638M	Elongation at Break	8%
D638M	Elongation at Yield	13%
D638M	Modulus of Elasticity	1,245-1,510 MPa
D790M	Flexural Strength	75 MPa
D790M	Flexural Modulus	2450 MPa
D256A	Izod Impact - Notched	0.35 J/cm
D2204	Hardness (Shore D)	85 Shore
D570-98	Water Absorption	0.71%
D1004	Graves Tear	N/A

Recommended 3D Printer Family[3]
Perfactory Family, Micro Family

[1] Learn more at EnvisionTEC.com/printmypart
[2] All data provided is preliminary and must be verified by the individual user
[3] May not be suitable for all machine models within a 3D printer family. Please refer to specific model online for compatibility.