

PolyJet Materials

Photopolymer Material

We can convert your CAD files into 3D objects, dimensionally accurate very fast, using the 3D printing method. The family of TangoBlack shore A flexible material that mimic various levels of elasticity for rubber like applications requiring non-slip or soft surface parts can be built up to 19.7" x 15.7" x 7.9" (500mm x 400mm x 200mm). Accuracy for High Quality is 16-micron (0.0006 inch), High Speed 30-micron (0.001 inch).

Process 3-D printing (rubber like-based)

Product:	Tango Black/Tango Transparent
Elongation at Break (ASTM D412):	218 %
Modulus of Elasticity @ 20 % Strain (ASTM D413):	21 PSI – (0.1 MPa)
Modulus of Elasticity @ 30 % Strain (ASTM D414):	27 PSI – (0.2 MPa)
Modulus of Elasticity @ 50 % Strain (ASTM D415):	38 PSI – (0.3 MPa)
Ross Flex Above:	150,000
Tensile Strength at Break (ASTM D412):	211 PSI – (1.5 MPa)
Tensile Tear Resistance (ASTM D624):	20 lb/in (3 Kg/Cm)
Tg (DSC):	15°F/(-10°C) - 100°C +/- (-80°C)
Applications:	Including over-molded handles, gaskets and seals.

Disclaimer: All tolerance specifications reflect the approximate range of a process's capabilities and should be viewed only as a guide. Actual capabilities are dependent upon manufacturing, equipment, material, and part requirements.