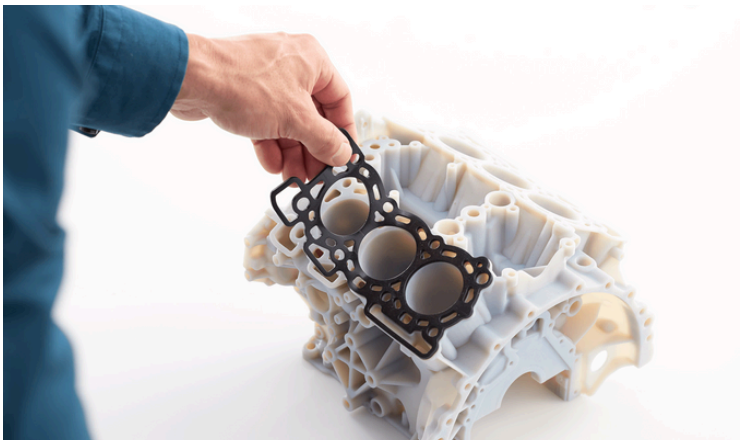
ADDMAN

MATERIAL DATASHEET

Agilus30

Technology: PolyJet

3D Printing



Material Description

Agilus30 is a high-performance, rubber-like PolyJet photopolymer engineered for 3D printing flexible, durable, and tactile prototypes. Renowned for its exceptional flexibility, durability, and tactile realism, this material is perfect for advanced design validation and rapid prototyping.

Applications

Soft-touch components (grips, handles, coatings); Seals, gaskets, hoses, and overmolds; Wearables and footwear prototypes; Living hinges, jigs, fixtures, and manufacturing aids; Anatomical and medical training models simulating rubber-like tissue properties.

Features

Elastic & Tear Resistant

Designed to endure repeated bending and flexing with remarkable tear strength.

Shape Memory & Fatigue Resistance

Maintains form and performance under cyclic stress.

Versatile Material Mixing

Can be combined with rigid Vero™ materials to build digital composites with adjustable hardness (30A–95A).

Mechanical Properties

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638M	2.4 - 3.1 MPa
Modulus of Elasticity, Youngs Modulus	D638M	N/A
Elongation Break (%)	D638M	220 - 270%
Flexural Strength	D790M	N/A
Flexural Modulus	D790M	N/A
IZOD Impact Strength (Notched)	D256A	N/A
Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C)	D648	N/A

Agilus30 delivers highly realistic, rubber-like 3D printed parts with exceptional flexibility, tear resistance, and durability for functional prototyping and design validation.