



E1005AL

URETHANE CASTING MATERIAL SPECIFICATIONS

Highlights

- General purpose very soft rubber
- Easy to pigment
- RoHS/REACH Compliant
- High tensile & tear strength

Applications

- Special effects and props
- Medical training models

TYPICAL PHYSICAL PROPERTIES

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
Color/Appearance	Visual	Translucent Pale Amber	Translucent Pale Amber
Density	ASTM D792	0.0365 lb/in ³	1.01 g/cc
Elongation	ASTM D412	1400%	1400%
Shore A Hardness	ASTM D2240	5 A ± 4	5 A ± 4
Tear Strength	ASTM D624	50 pli	8,756 N/m
Tensile Strength	ASTM D412	575 psi	3.96 MPa
Tensile Modulus	ASTM D412	110 psi	0.758 MPa

The information presented represents typical values intended for reference and comparison purposes only. It should not be used for design specifications or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, color etc. Actual values will vary with build conditions. Product specifications are subject to change without notice.

The performance characteristics of these materials may vary according to application, operating conditions, or end use. Each user is responsible for determining that the material is safe, lawful, and technically suitable for the intended application. Stratasys makes no warranties of any kind, express or implied, including, but not limited to, the warranties of merchantability, fitness for a particular use, or warranty against patent infringement.