



Rigid White

Key Features

Biocompatibility • Smooth surface • UV resistance • UL94-V0 flammability

Applications

Prototyping • End-use parts • Jigs and fixtures • Automotive • Engineering • Electronics • Medicine, dentistry

Product Description

Rigid White is an opaque, rigid white production-grade plastic designed for same-day parts. With biocompatible capability, it offers a smooth surface finish, long-term environmental stability, and lasting white color. Ideal for medical, consumer goods, and industrial applications, it exhibits thermoplastic behavior with necking at break, perfect for snap-fit needs. Featuring a 65°C heat deflection temperature and high elongation at break (20%), it enables fast print speeds and simplified post-processing.

Properties*

Tensile modulus	2,100 MPa
Tensile strength	57 MPa
Elongation at break	20%
Flexural strength	84 MPa
Flexural modulus	2,200 MPa
Izod notched impact	21 J/m
Heat deflection temperature (0.45 MPa)	65°C
Heat deflection temperature (1.80 MPa)	55°C
Glass transition temperature (DMA, E")	64 °C
Density	1.16g/cm ³
Hardness	81D
Flame retardancy	UL 94-HB

*Post-cured state

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.





Xtreme White

Key Features

- High resolution • Impact resistance • Stiffness
- Low moisture absorption • Durability

Applications

- Prototyping • End-use parts • Durable and challenging assemblies • Electronics • Engineering • Consumer goods

Product Description

Accura Xtreme White 200 is an ultra-tough white plastic ideal for replacing CNC-machined polypropylene and ABS parts. Offering exceptional durability and accuracy, it provides high elongation at break, impact strength, and stiffness comparable to Polypropylene and ABS. This material excels in producing robust parts for demanding environments, including drill/tap applications, with fast build speeds and excellent detail fidelity. Its stunning white finish replicates injection molded parts, making it suitable for various functional assemblies such as snap-fit assemblies and those requiring self-tapping screws.

Properties

Tensile modulus	2,300 - 2,630 MPa
Tensile strength	45 - 50 MPa
Elongation at break	7 - 20%
Flexural strength	75 - 79 MPa
Flexural modulus	2,350 - 2,250 MPa
Impact strength	55-66 J/m
Heat deflection temperature (0.45 MPa)	47°C
Heat deflection temperature (1.80 MPa)	42°C
Coefficient of thermal expansion (30-50°C)	95 µm/m·°C
Water absorption	0.38 %
Density	1.18 g/cm³
Hardness	78 - 80 D

Reference

For more detailed source information, please consult the original document linked [here](#). We encourage users to verify the data's relevance and suitability for their specific needs.

