

Polypropylene (SLS)

A tough, fatigue-resistant production-grade material.



Description:

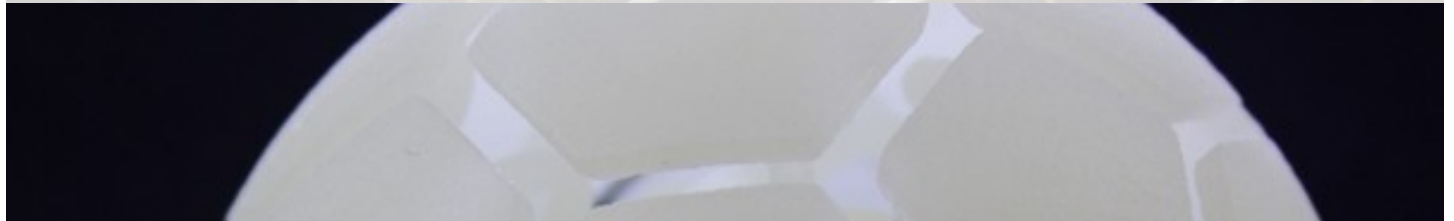
This versatile translucent off-white material is one of the most commonly used polymers in manufacturing industry. Durable, Light weight SLS printed polypropylene is ideal for function testing and short run, end use parts.

Why Choose:

- Properties comparable to injection moulded polypropylene,
- Very high Elongation at break.
- Good impact Resistance.
- WRAS approved material.
- Living hinges.
- Excellent Chemical resistance.

Applications:

- Functional Prototypes
- Car Bumpers
- Air Ducts
- Packaging development
- Healthcare and orthopaedic products.
- Rapid manufacturing.



General Properties	Value (XY Axis)	Test Method
Part Density	0.84 g/cm ³	ISO 11357-3 (10 °C/min)
Melting Temp	125 °C	ISO 11357-3 (10 °C/min)
Heat Deflection (0.45MPa)	71 °C	ISO 75B)
Tensile Strength	21.4 MPa	ISO 527
Elongation at break	529%	ISO 527
Flexural Modulus	68 MPa	ISO 178
Build Volume	550 x 550 x 500mm	

This data sheet contains approximate values. These values are influenced by part's geometry, additives, and environmental influences. They were developed based on current experiences and knowledge. Therefore, the above mentioned properties cannot be claimed legally binding nor can a definite purpose be derived.