

ROBUST ABS

Photopolymer Resin for B9 Core Series

Material Properties

Prepared: 05.22.2023



Ideal for strong and stiff parts, Robust - ABS is an engineering-grade material formulated to withstand the manufacturing environment.

Rigid and durable, Robust - ABS emulates the strength and stability of ABS plastic. It is impact and heat resistant, enabling real-world, usable parts.

- Readable Detail
- Smooth Surface Finish
- Impact Resistant
- High Flexural Modulus
- Heat Resistant

	METRIC	IMPERIAL	METHOD
TENSILE PROPERTIES			
Tensile Strength	48 MPa	7010 psi	ASTM D638-14
Tensile Modulus	2082 MPa	304 ksi	ASTM D638-14
Elongation	28%	28%	ASTM D638-14
FLEXURAL PROPERTIES			
Flexural Strength	53.6 MPa	7820 psi	ISO 178 (2015)
Flexural Modulus	1520 MPa	222 ksi	ISO 178 (2015)
TEMPERATURE PROPERTIES			
Heat Deflection Temp @ 1.80 MPa	46 °C	114.8 °F	ISO 75-1, ISO 75-2 (2013)
Heat Deflection Temp @ 0.45 MPa	54 °C	129.2 °F	ISO 75-1, ISO 75-2 (2013)

*All results were from models cured for 5 minutes.