

ProtoGen 18420 (UV Postcure)

TECHNOLOGY: SLA

APPLICATIONS: Accurate RTV patterns, durable concept models, highly accurate and humidity & temperature resistant parts.

DESCRIPTION: SLA materials mimic a wide array of engineering plastics, elastomers and composites. This material creates accurate, easy-to-clean white parts, ideal for automotive and medical applications.

FEATURES: Durable. Highly accurate. Humidity and temperature resistant.

TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS UV POSTCURE	METRIC UNITS UV & THERMAL POSTCURE
Tensile Strength	D638M	42.2-43.8 MPa	66.1-68.1 MPa
Modulus of Elasticity, Youngs Modulus	D638M	2180-2310 MPa	2,880-2,960 MPa
Elongation Break (%)	D638M	8-16 %	6-9 %
Flexural Strength	D790M	66.7-70.5 MPa	84.9-87.7 MPa
Flexural Modulus	D790M	1,990-2,130 MPa	2,280-2,340 MPa
IZOD Impact Strength (notched)	D256A	.20-.22 J/m	.15-.18 J/m
Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C)	D648	53-56 °C	93-98 °C

