MAGNA L90 : HEAT RESISTANT

STPL 3D
THINK • CREATE • SURPRISE
99251-13344 3dinfo@stpl.com www.stpl3d.com

Magna L90 has resistance of 70°C which approximates the performance and appearance of ABS. The excellent temperature resistance makes the Magna L90 suitable for a wider range of applications, including luminaires and automotive interiors. The surface texture is smooth and fine after molding, and requires less post-processing, which greatly reduces the production period of the hand model.

Applications

- Automobile industry
- High temperature model making
- Wind tunnel test
- Electronics housing
- Dental orthodontics
- Lighting Production

Advantages

- High temperature resistance
- Excellent detail and surface texture
- Easy to make and post-process

MAGNA L90 TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	Clear (Customizable)		DP	0.13	(Slope of cure-design vs. In (E) curve)
Viscosity	546 cps	@25.5°C	Density	1.127 g/cm^3	@25°C

Mechanical Properties (90 Minutes UV Postcure)		
ASTM Method	Property Description	Value
ASTM D 638	Tensile Moduls	2134 MPa
ASTM D 638	Tensile Strength at Break	59.75 MPa
ASTM D 638	Elongation at Break	5.20%
ASTM D 648 @ 66PSI	Heat Deflection Temprature	60°C
ASTM D 790	Flexural Strength	44.71 Mpa
ASTM D 790	Flexural Modulus	1885 Mpa
ASTM D 256	Izod Impact (Notched)	38.44 J/m
ASTM D 2240	Hardness Shore D	82

*These values may vary and depend on individual machine processing and post-curing practices.