

Magna W120: Heat Resistant

The primary characteristic of Magna W120 is its strong resistance to heat (up to 90 degrees Celsius). It is also a highly robust material resistant to a wide range of substances, including solvents and oil. Excellent thermal performance makes Magna W120 suitable for a wide range of applications, including light fittings and in the internals of cars. Its strong resistance to corrosion also make it ideal for orthodontics.

Advantages

- Resistant to heat
- Excellent detail resolution
- Easy to process and finish

Applications

- Automotive
- Tooling
- Wind tunnel testing
- Temperature testing
- Casings for electronics
- Orthodontics
- Light fittings



Magna W120 TECHNICAL DATA SHEET

Liquid Properties			Optical Properties		
Appearance	White		Ec	7.5 mJ/cm ²	[critical exposure]
Viscosity	430~530 cps	@ 28°C (82.4°F)	Dp	0.152	[slope of cure-depth vs. ln(E) curve]
Density	1.13 g/cm ³	@ 25°C (77°F)			

Mechanical Properties (90 Minutes UV Postcure)		
ASTM Method	Property Description	Value
ASTM D 638	Tensile Modulus	2840-3112 MPa
ASTM D 638	Tensile Strength at Break	58-66 MPa
ASTM D 638	Elongation at Break	4-8%
ASTM D 648 @66PSI	Heat Deflection Temperature	75-90°C / 184-266°C†
ASTM D 790	Flexural Strength	60-80 Mpa
ASTM D 790	Flexural Modulus	2678-3188 Mpa
ASTM D 256	Izod Impact (Notched)	22~32 J/m
ASTM D 2240	Hardness Shore D	86-90

† After 2 hour 160°C thermal Postcure (note- applies to Magna 120)
 These values may vary and depend on individual machine processing and post-curing practices.

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Photoreactive Resin

Product Name :
SKU# :
Weight : 10KGS
Date of Manufacturing :
LOT# : 000716ZLAR
Sealed and Stored in Dry Place at Room Temperature

Warning



1. Resin can be harmful, care should be taken at all times when handling
2. Touching the resin can cause irritation of the skin
3. Contact with eyes is likely to cause severe irritation
4. Accidental ingestion is extremely serious. If resin comes into contact with hands, do not touch the mouth or face
5. Liquid resin is extremely harmful to aquatic life, causing long-term damage
6. Avoid breathing in any dust / smoke/particles/mist originating from the resin
7. Wash hands thoroughly after operation
8. Concentrated fumes should not be worn outside the working area. Always store correctly and do not dump. Dumping will cause significant environmental damage
9. Always wear protective gloves, goggles and bonnet when operating
10. If swallowed seek immediate medical assistance
11. If resin comes into contact with skin wash thoroughly with soap, preferably in a shower
12. If there are signs of irritation or a rash seek medical assistance
13. If any resin enters the eyes wash with water for several minutes. After an initial period of washing, flush wearing contact lenses (WHA) carefully, take them out and wash the eyes with the lenses removed
14. Take them out and wash the eyes with the lenses removed
15. If the eyes are still irritated after washing seek medical assistance
16. Waste resin requires treatment from an approved waste treatment plant



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