

HI TEMP 300-AMB

Ultra-High Temperature

Testing and use in high heat environments

Simulating amber plastic, this an industry leading, ultra-high temperature resistant rigid plastic suitable for the harshest environments.



Benefits

- Tough, translucent parts that can be tested up to 300°C
- Production-grade quality
- No secondary thermal post-cure required

Applications

- High temperature components testing, and general use parts including HVAC, consumer appliances, motor enclosures, stators, etc.
- Low pressure moulding/tooling: expanding foams, rubbers, etc.
- Overmoulding
- HDT over 300 °C at both low and high stress



Physical Properties

Colour	Amber
Type	ABS

Liquid Material

Solid Density (@ 25°C)	1.3g/cm ³
Layer Thickness (mm)	0.10

Mechanical Properties

		TEST/ISO
Tensile Strength (MPa)	77	ASTM D638
Tensile Modulus (MPa)	4100	
Elongation Break (%)	2.3	
Flex Strength (MPa)	85	ASTM D624
Flex Modulus (MPa)	4300	ASTM D395
Izod Notched Impact (J/m)	10	ASTM D256
Heat Deflection Temperature (°C)	>300	ASTM D648
Hardness, Shore	89D	ASTM D2240
UL Flammability	HB	UL 94

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