DATA SHEET

BMF

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HTL Resin

HTL is a high performance engineering material with high strength, rigidity, and heat resistance, able to withstand temperatures up to 140C. HTL enables high resolution features, making it suitable for a broad range of engineering and medical applications including those which require autoclave sterilization.

		Cured Parts	Standard
Tensile Properties	TENSILE STRENGTH	79.3 MPa	ASTM D638
	ELASTICITY MODULUS	4.2 GPa	ASTM D638
	ELONGATION AT BREAK	2.23%	ASTM D638
Flexural Properties	BENDING STRENGTH	120.6 MPa	ASTM D790
	FLEXURAL MODULUS	3.96 GPa	ASTM D790
Impact Properties	IMPACT STRENGTH	30 J/m	ASTM D256
Temperature Properties	DISTORTION TEMPERATURE @0.45MPa	140.7 °C	ASTM D648 - 07
	TG	172 °C	ASTM D7028
General Properties	HARDNESS	90 Shore D	ASTM D785
	VISCOSITY	85 cP	-
	STANDARD COLOR	Yellow trans/Black	-
	CTE @ 60C	51 µm/m/°C	-
	CTE @ 80C	120 µm/m/°C	-

[1] Final properties are dependent on print conditions, post-processing operations, and part geometry.

[2] Test samples were UV cured and heat cured.

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