

HYTAC[®] – C

Castable syntactic tooling

HYTAC-C is a one-part castable product in the HYTAC family of syntactics. This product is available as an uncured, single component mixture that may be poured or cast into a wide variety of shapes and sizes. Provided in one-gallon containers, the premixed syntactic flows smoothly into any tool or cavity.

After curing, the product exhibits the same properties found in CMT's HYTAC-W:

- **Low Thermal Conductivity and Specific Heat**
- **Dimensionally Stable**
- **Excellent Temperature Resistance to 355°F**
- **Lightweight**
- **Easily Machined**

Typical Cured Properties

Color	White
Density (ρ)	44 lb/ft ³ [705 kg/m ³]
Thermal Conductivity (k)	0.16 BTU/hr-ft-°F [0.28 W/m ² K]
Coefficient of Thermal Expansion (CTE)	17 x 10 ⁻⁶ in/in°F [31 x 10 ⁻⁶ m/m/°C]
Compressive Strength	8,000 psi [55 Mpa]
Service Temperature	350°F [176°C]



Applications

HYTAC-C is shipped as a single component, liquid syntactic material that may be poured or cast at a customer site into any tool or cavity. While this material is temperature sensitive and requires special handling procedures, it is often a viable alternative to extensive machining of plug shapes. Contact CMT Materials to discuss your application needs.



**Innovative Tooling Materials
for Thermoforming**

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