

New
Genuine HYTAC®
Product



Copolymer Syntactic Foam



HYTAC-HTF High Temperature and High Friction

copolymer syntactic foam is the ideal product for many “sticky” materials. This newly created formula can operate at higher temperatures while allowing lower heat transfer between the plug and sheet. HTF promotes even wall thickness throughout the entire part and is excellent for deep draw applications due to its high friction. HTF’s unique formulation and microsphere size allows it to be polished to a mirror-like finish and exhibits minimal plastic build up when in contact with barrier films and other multi-layer applications.

Thermoforming Applications:

- PP
- PLA
- PVC
- HIPS
- APET
- CPET
- RPET
- PETG

Benefits:

- Excellent for use with barrier films and other multi-layer applications
- Good friction for deep draw applications
- Highest service temperature
- Dust free machining and easy polishing
- High durability

Machining and Polishing Guides

HYTAC materials are generally easy to machine and polish. Following the CMT guidelines will improve surface quality and consistency of plug performance.

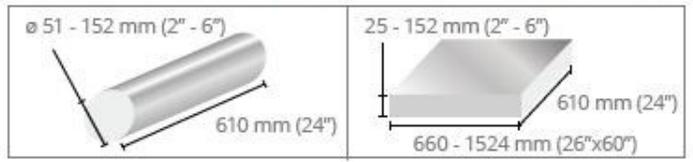
| COPOLYMER | |
|--|--|
| Material | HTF |
| Color | Violet |
| Density (p) | 56 lb/ft ³ [900 kg/m ³] |
| Thermal Conductivity (k) | 0.1 BTU/hr-ft-°F [0.18 W/m²K] |
| Coefficient of Thermal Expansion (CTE) | 17 x 10 ⁻⁶ in/in°F [31 x 10 ⁻⁶ m/m/°C] |
| Compressive Strength | 9,500 psi [65 MPa] |
| Service Temperature | 450° F [230° C] |
| Flexural Toughness (ASTM D790) | 9.0 Psi [62.0 kPa] |

Custom Cut Service



Get your material custom cut!
Contact CMT Materials for information and prices.

Standard Dimensions (larger rod diameters available on request)



W/WF/WFT/FLX/FLXT/C1R/HTF: standard tolerances are +0%, -1.5% of thickness or diameter.