

HYTAC-HTF 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

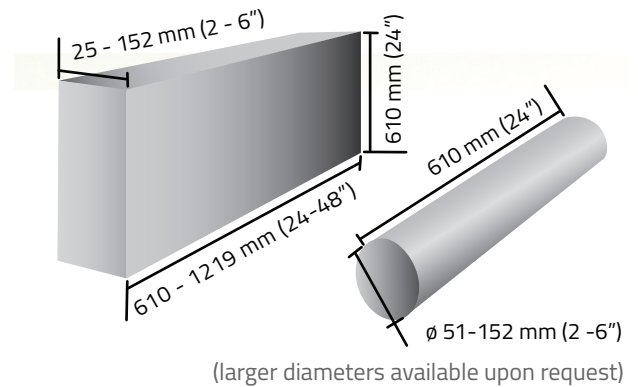
HYTAC materials are generally easy to machine and polish. Following the CMT guidelines will improve surface quality and consistency of plug performance.

COPOLOMER

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/m ² K]
Coefficient of Thermal Expansion (CTE)	7 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]
Standard Tolerances	+0%, -1.5%



STANDARD DIMENSIONS



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