

Epoxy Syntactic Foam



HYTAC-WF is a high temperature epoxy syntactic material that provides improved clarity when forming APET and other clear polymers. WF also performs well with HDPE and CPET.

Thermoforming applications

- PET
- PS
- HDPE
- PVC

Benefits

- High temperature resistance
- Smaller microspheres for good surface results
- Improved material distribution compared to basic alternatives
- Low thermal expansion for better process stability.

Machining and Polishing Guides

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

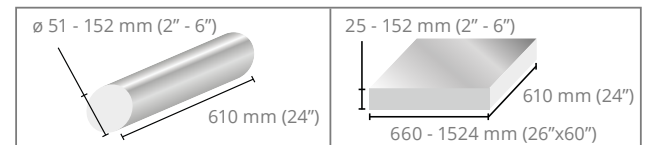
THERMOSET	
Material	WF
Color	White
Density (ρ)	53-57 lb/ft ³ [849-913 kg/m ³]
Thermal Conductivity (k)	0.11 BTU/hr-ft-°F [0.19 W/m ² K]
Coefficient of Thermal Expansion(CTE)	18 x 10 ⁻⁶ in/in/° F [32 x 10 ⁻⁶ m/m/°C]
Compressive Strength	18,000psi [124 Mpa]
Service Temperature	450°F [232 °C]
Flexural Toughness (ASTM D790)	4.7psi [32.4kPa]

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: standard tolerances are +0%, -1.5% of thickness or diameter. B1X / XTL: standard tolerances are +0.187" (5mm), - 0.0" (0mm) of thickness or diameter.