



## 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

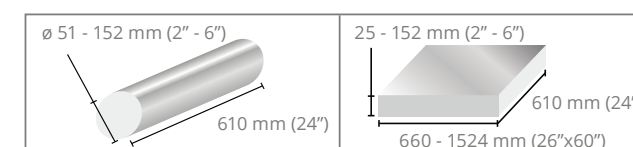
Material	WF
Color	White
Density (p)	53-57 lb/ft <sup>3</sup> [849-913 kg/m <sup>3</sup> ]
Thermal Conductivity (k)	0.11 BTU/hr-ft-°F [0.19 W/m-°K]
Coefficient of Thermal Expansion(CTE)	18 x 10 <sup>-6</sup> in/in/° F [32 x 10 <sup>-6</sup> m/m/°C]
Compressive Strength	18,000psi [124 Mpa]
Service Temperature	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.