

## Copolymer Syntactic Foam

HYTAC-FLXT is a copolymer syntactic impregnated with PTFE for improved release characteristics that reduce sheet sticking. FLXT is the best choice when forming multilayer or barrier films and other applications requiring optical clarity.

### Thermoforming applications

- PET
- PP
- PVC
- PLA
- EVOH
- Multilayer

### Benefits

- Ultra-smooth surface characteristics
- Low sheet sticking
- Excellent toughness and durability
- Easy to machine and to polish

### 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.

### COPOLYMER

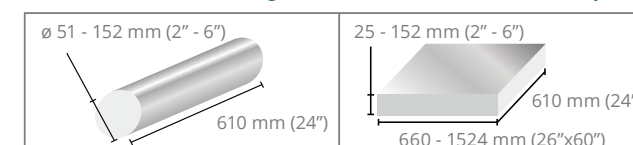
|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| Material                              | FLXT                                                            |
| Color                                 | Dark Green                                                      |
| Density (p)                           | 53-57 lb/ft <sup>3</sup> [848-913 kg/m <sup>3</sup> ]           |
| Thermal Conductivity (k)              | 0.10 BTU/hr-ft-°F [0.17 W/m-°K]                                 |
| Coefficient of Thermal Expansion(CTE) | 20 x 10 <sup>-6</sup> in/in/°F [36.0 x 10 <sup>-6</sup> m/m/°C] |
| Compressive Strength                  | 13,500 psi [93.0 Mpa]                                           |
| Service Temperature                   | 350°F [176°C]                                                   |
| Flexural Toughness (ASTM D790)        | 7.2 Psi [49.6 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: 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.