

Copolymer Syntactic Foam

HYTAC-FLX is a copolymer syntactic foam providing excellent toughness and durability in use. The formulation has been designed to minimize chilling of the sheet and to optimize the plug/sheet interaction for uniform material distribution. FLX is suitable for a wide range of polymers and it is easy to machine and polish.

Thermoforming applications

- PET
- PP
- PS
- PVC
- PLA

Benefits

- Excellent toughness and durability
- Suitable in many applications
- Easy to machine and to polish
- Excellent material distribution

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

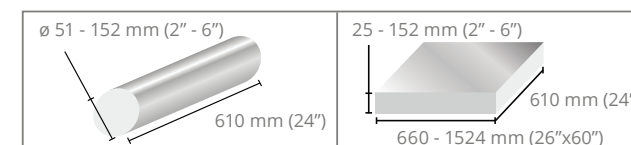
Material	FLX
Color	Pink
Density (p)	50-54 lb/ft ³ [800-864 kg/m ³]
Thermal Conductivity (k)	0.07 BTU/hr-ft-°F [0.11 W/m-°K]
Coefficient of Thermal Expansion(CTE)	23 x 10 ⁻⁶ in/in/°F [42.0 x 10 ⁻⁶ m/m/°C]
Compressive Strength	13,350 psi [92.0 Mpa]
Service Temperature	350 °F [176 °C]
Flexural Toughness (ASTM D790)	7.6 Psi [52.4 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.