

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

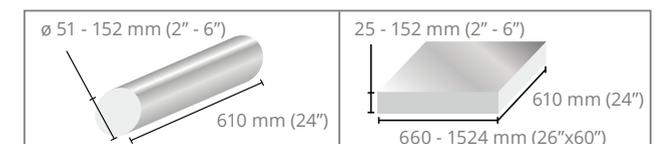
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|---------------------------------------|---|
| Material | FLX |
| Color | Pink |
| Density (ρ) | 50-54 lb/ft ³ [800-864 kg/m ³] |
| Thermal Conductivity (k) | 0.07 BTU/hr-ft-°F [0.11 W/m ² K] |
| Coefficient of Thermal Expansion(CTE) | 23 x 10 ⁻⁶ 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.