

HYTAC-FLX 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

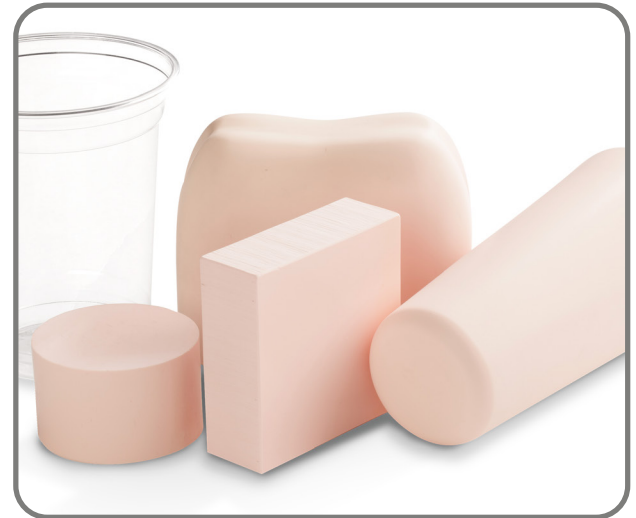
- Ultra-smooth surface characteristics
- Low sheet sticking
- Excellent toughness and durability
- Easy to machine and to polish

Machining and Polishing Guides

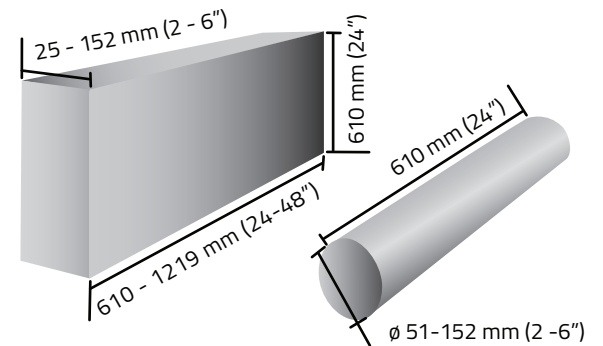
HYTAC materials are generally easy to machine and polish. Following the CMT guidelines will improve surface quality and consistency of plug performance.

COPOLOMER

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 ² K]
Coefficient of Thermal Expansion (CTE)	23 x 10 ⁻⁶ in/in/°F [42 x 10 ⁻⁶ m/m/°C]
Compressive Strength	13,350 psi [92 MPa]
Service Temperature	350° F [176° C]
Flexural Toughness (ASTM D790)	7.6 Psi [52.4 kPa]
Standard Tolerances	+0%, -1.5%



STANDARD DIMENSIONS



(larger diameters available upon request)

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CUSTOM CUT SERVICE



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