



THERMOPLASTIC SYNTACTIC FOAM

THE MOST DURABLE
For PP PET PLA

➤ OVERVIEW

OptiForm® B2X is a plug assist material for thermoforming molds. It is the new generation of B1X made in France. The formulation has been improved for easier polishing. OptiForm® B2X combines the toughness of engineering thermoplastics with the low thermal conductivity of a syntactic foam.

It is the toughest and the most durable OptiForm® plug assist material. Pre-stretch plugs made of OptiForm® B2X are very smooth with possibility to machine very fine details.

OptiForm® materials are DUST FREE during machining, finishing, and cutting.



➤ TECHNICAL PROPERTIES

Color	Blue
Density (p)	740 kg/m ³
Thermal Conductivity (k)	0.18 W/m ² K
CTE	60 x 10 ⁻⁶ m/m/°C
Compressive Strength	70 Mpa
Service Temperature	180 °C
Flexural Toughness	82,1 KPa



NO DUST

**MACHINING
CHIPS**



➤ BENEFITS



High Toughness and Durability

With high toughness, machine downtime due to damaged plugs is reduced. Less downtime, lower costs, more consistent quality.



Superb Machinability

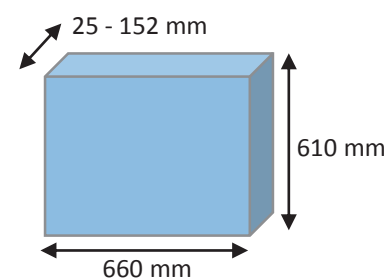
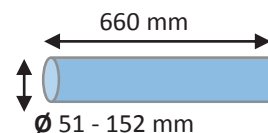
Due to the large non-abrasive chips, no dust collection equipment or respirators are required during processing. Thermoforming plug assists can be machined more than three times faster than epoxy syntactic foam due to easy chip formation. No more complaints from your machining operators.



Excellent Heat Resistance

OptiForm B2X is specially designed to work at temperatures up to 180° C with minimal loss of mechanical properties.

➤ STANDARD SIZES



➤ CUSTOM CUT

Receive your blocks ready to machine, contact us !

➤ APPLICATIONS

OptiForm B2X can be used with most commonly thermoformed polymers but specially with PP, PET and PLA. It is widely used in thermoforming tilting machine where the runs are very long and the wear of the plug should not be a brake on the production.