



THERMOPLASTIC SYNTACTIC FOAM

STANDARD QUALITY
For PS PVC PET

OVERVIEW

Optiform® F2X is a plug assist material for thermoforming molds which combines the toughness of engineering thermoplastics with the low thermal conductivity of a syntactif foam. It is the first generation of thermoplastic syntactic foam developed by CGP Europe in 2013.

Optiform® F2X eliminates machining dust and increase 3 times the toughness in comparison with standard material like Syntac S350 or Hytac W, Hytac WF.

It is very good economical product for thermoforming PS, PVC or PET.



TECHNICAL PROPERTIES

Color	White
Density (p)	720 kg/m³
Thermal Conductivity (k)	0.17 W/m°K
CTE	66 x 10-6 m/m/°C
Compressive Strength	67 Mpa
Service Temperature	180 °C
Flexural Toughness	67,3 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

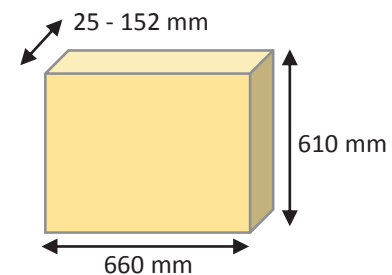
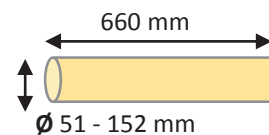
Due to the large non-abrasive chips, no dust collection equipment or respirators are required during processing. Thermoforming plug assists can be machined more than three times faster than epoxy syntactic foam due to easy chip formation. No more complaints from your machining operators.



Excellent Heat Resistance

OptiForm F2X is specially designed to work at temperatures up to 180° C with minimal loss of mechanical properties.

STANDARD SIZES



CUSTOM CUT

Recieve your blocks ready to machine, contact us !

APPLICATIONS

Optiform F2X can be used with most commonly thermoformed polymers but specially with PS, PVC and PET. OptiForm® can be used in any type of thermoforming machine: with in-mold cutting, in multi-station or in formats.