



THERMOPLASTIC SYNTACTIC FOAM

REDUCED ADHESION WITH TEFLON For Multilayer

OVERVIEW

OptiForm® FXT is a plug assist material for thermoforming molds. It has been designed for thermoforming multilayer film. It is a very famous material used in FFS thermoforming machine.

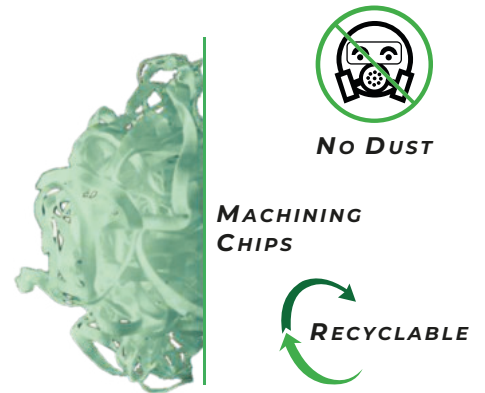
Plug assists made of OptiForm® FXT are very smooth. OptiForm® FXT eliminates machining dust and increase the toughness in comparison with standard syntactic material.

OptiForm® FXT has the lowest coefficient of friction of the OptiForm materials. It helps reducing marks which is often critical when thermoforming multilayer plastics.



TECHNICAL PROPERTIES

Color	Green
Density (p)	820 kg/m³
Thermal Conductivity (k)	0.17 W/m°K
CTE	59 x 10 ⁻⁶ m/m/°C
Compressive Strength	73 Mpa
Service Temperature	180 °C
Flexural Toughness	74,2 KPa



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

No dust collection equipment or respirators are required due to the large, non-abrasive chips.

Plugs can be machined over three times faster than copolymer or epoxy syntactic foam due to the easy chip formation.

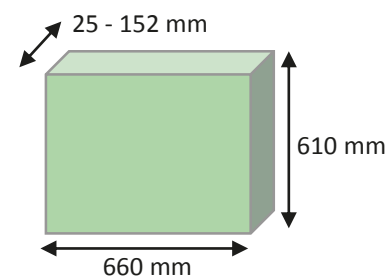
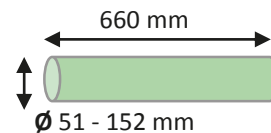
No more complaints from your machinists.



Excellent Plug Release

OptiForm FXT is specially formulated with PTFE to reduce sticking between plug and plastic sheet.

STANDARD SIZES



CUSTOM CUT

Receive your blocks ready to machine, contact us !

APPLICATIONS

OptiForm FXT can be used with most commonly thermoformed polymers but specially adapted for multilayer:

PET/PE , PP/PE , PS/PE , PP/EVOH/PE , PET/PE/EVOH/PE

OptiForm® FXT is widely used in FFS thermoforming machine.