



THERMOPLASTIC SYNTACTIC FOAM

*THE SMOOTHEST
For PET PP*

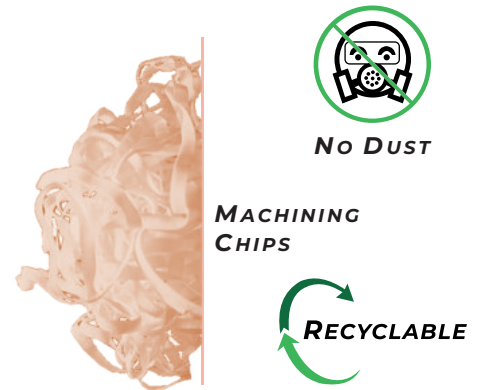
➤ OVERVIEW

OptiForm® SLX is a plug assist material for thermoforming molds. It is the new generation of FLX made of a copolymer thermoplastic material. OptiForm® SLX eliminates machining dust and increase the toughness in comparison with standard FLX material. Pre-stretch plugs made of OptiForm® SLX are very smooth with possibility to machine fine details. The formulation has been designed to minimize chiling of the sheet and improve interaction between pre-stretch stamp and plastic film. So you get the best thickness distribution and high transparency specially on PET.



➤ TECHNICAL PROPERTIES

Color	Pink Salmon
Density (p)	800 kg/m³
Thermal Conductivity (k)	0.16 W/m°K
CTE	55x 10-6 m/m/°C
Compressive Strength	70 Mpa
Service Temperature	180 °C
Flexural Toughness	75,1 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

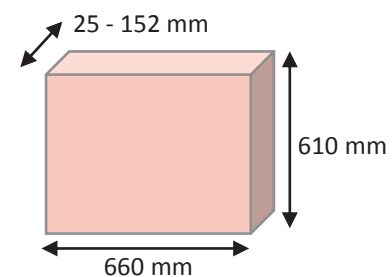
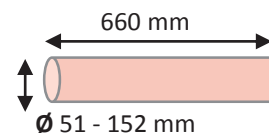
Due to the large non-abrasive chips, no dust collection equipment or respirators are required during processing. Thermoforming plug assists can be machined more than three times faster than epoxy syntactic foam due to easy chip formation. No more complaints from your machining operators.



Excellent Heat Resistance

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