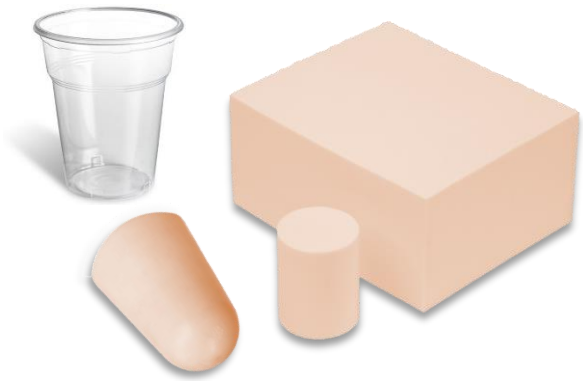
OptiForm SLX®

Thermoplastic Syntactic Foam

The Smoothest

Overview

OptiForm® SLX is a **plug assist** material wich combines the toughness of engineering **thermoplastics** with the low thermal conductivity of a **syntactic foam**.
OptiForm® SLX eliminates machining dust compare to the standard FLX material but with a similar finish.
The formulation has been designed to minimize chilling of the sheet and improve plug/sheet interaction to get the best thickness distribution and high transparency.
OptiForm® SLX gives a **very smooth finish surface.**
OptiForm® materials are DUST FREE during machining, finishing, and cutting.



No Dust

Machining Chips

Recyclable

Technical Properties

Color:	**Pink Salmon**
Density (ρ)	780-820 kg/m^3
Thermal Conductivity (k)	0.16 W/m°K
Coef. Therm. Expansion (CTE)	55 x 10-6 m/m/°C
Compressive Strength	70 Mpa
Compressive Modulus	2.10 Gpa
Service Temperature	180 °C

Benefits

High Toughness and Durability

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

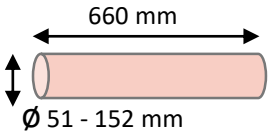
Superb Machinability

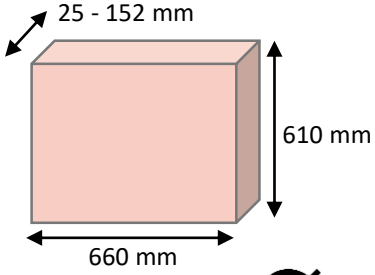
No dust collection equipment or respirators are required due to the large, non-abrasive chips.
Plugs can be machined over three times faster than copolymer or epoxy syntactic foam due to the easy chip formation.
No more complaints from your machinists.

Excellent Temperature Resistance

OptiForm® SLX is specially formulated for service up to 180°C with minimal loss in mechanical properties.

Standard Sizes





OptiCut

Get your custom size, contact CGP Europe!

Applications

OptiForm® SLX may be used in a wide variety of applications on sheet-fed, rotary, or in-line machines.
It may also be used with most commonly thermoformed materials, and has proven quite effective with polypropylene and other polyolefins.
With PET and PP we will give **better productivity** than any other epoxy syntactic.
OptiForm® SLX is ready to replace other materials such as *Hytac® FLX*.

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