

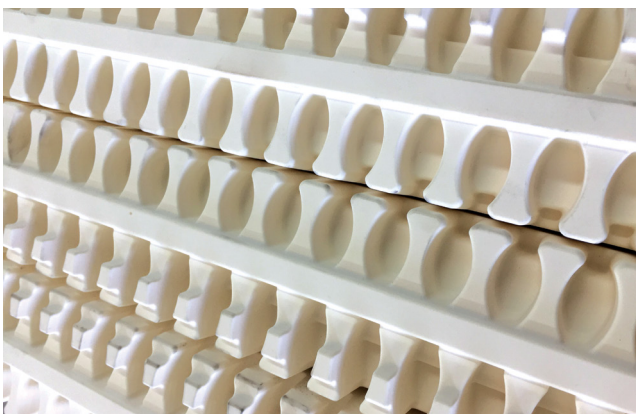


Consistent quality thermoforming plug assist material

Syntac[®] CIS (Core Industrial Solutions)

Syntac[®] CIS (Core Industrial Solutions) is an engineered thermoforming plug assist material, designed for everyday tooling. It is perfect for cost sensitive applications and general forming. Made from high grade epoxy resin and hollow glass microspheres, Syntac[®] CIS has been designed to provide a consistent quality, reliable solution, specifically for fabrication of thermoforming plugs and tooling.

Our advanced range of thermoforming plug assist materials are designed to increase your productivity, reduce downtime and maintain high product quality.



Applications

- Food packaging
- Beverage packaging
- Medical and pharmaceutical packaging

Benefits

Syntac[®] CIS is a cost-effective thermoforming plug assist material offering a range of benefits:

- Easy to machine
- Consistent, reliable quality
- Suitable for use up to 180°C
- Can be polished to achieve an extremely smooth surface finish
- Can be supplied with customer specific inserts pre-fitted as required
- Available in sheet, bar and cast version

Technical properties

Syntac® CIS typical properties		
Property	Typical Value	Units
Colour	Cream	-
Density	699	kg/m ³
Service Temperature	180	°C
Thermal Conductivity	0.1	W/mK
Coefficient of Thermal Expansion	37	ppm/°C
Compressive Strength	68	MPa
Compressive Modulus	1,734	MPa
Shore Hardness @ 25 °C	78	°D

Product sizes

Sheets		
Length (mm)	Width (mm)	Thickness (mm)
660	610	25
660	610	38
660	610	51
660	610	64
660	610	76
660	610	89
660	610	102
660	610	114
660	610	127
610	305	152
660	610	152

Bars		
Length (mm)	Width (mm)	Thickness (mm)
610	38	38
610	51	51
610	64	64
610	76	76
610	89	89
610	102	102
610	114	114
610	127	127
610	140	140
610	152	152

For custom sizes please contact us for availability

Contact us

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