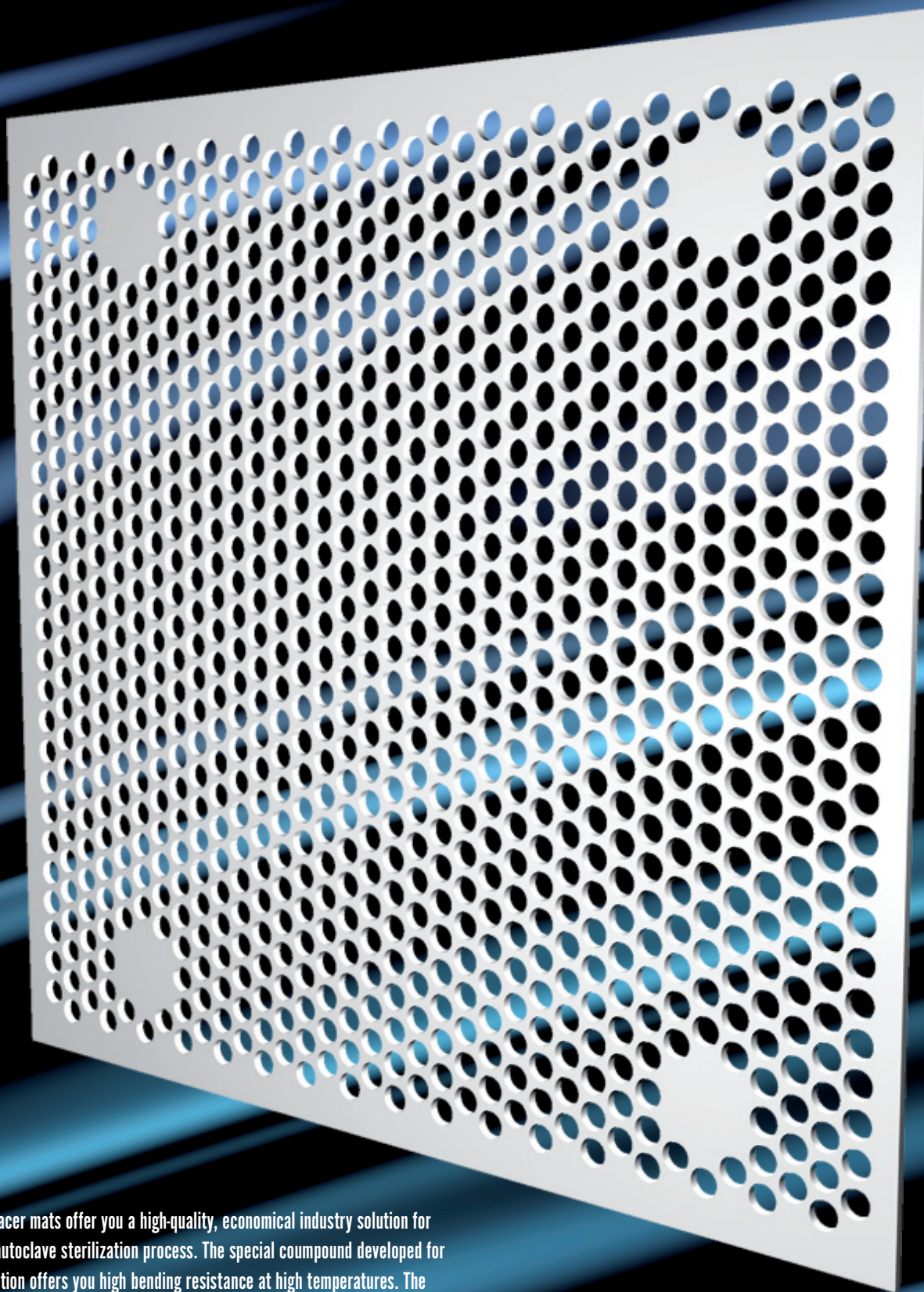


ISOSTER

Spacer mats for autoclaves



ISOSTER spacer mats offer you a high-quality, economical industry solution for use in the autoclave sterilization process. The special compound developed for this application offers you high bending resistance at high temperatures. The mats are compact and developed to operate under the most rigorous conditions.

EXTRUSION - COMPOUNDING

The extrusion-compounding production process enables the economical and flexible production of ISOSTER sheets without any precoumpounding. With direct sheet compounding we eliminate the minimum compounding quantity required for special applications. At the same time, our compounding method enables the economical production of special compounds and dimensions in low quantities.

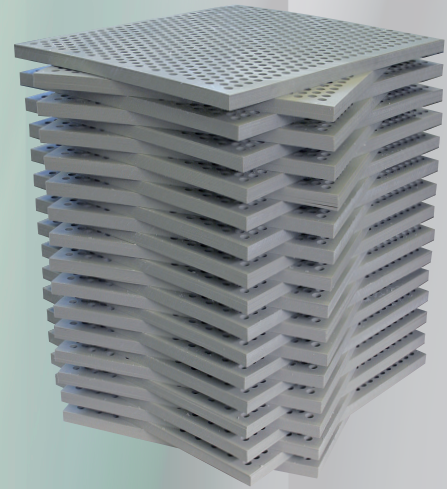
FINALIZING

All ISOSTER spacer mats are produced on CNC boring machine. This results in flexibility adjusting shapes at the customer's request and surface quality in comparison with hole punching. In addition we can offer punched spacer mats.

MATERIALS

Table of comparison:

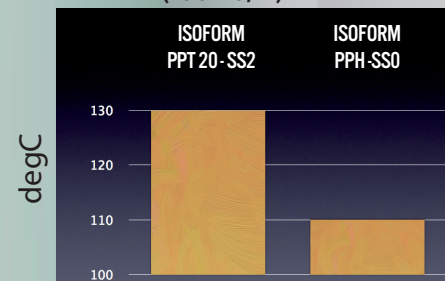
	Test method	ISOFORM PPT20 - SS2	ISOFORM PPH - SS0	Units
Density	ISO 1183	1.05	0.91	g/cm ³
Tensile E-modulus	ISO 527	2500	1600	MPa
Tensile strength	ISO 527	32	36	MPa
Strain at tensile strength	ISO 527	>11	>11	%
Hardness	ISO 868	77	73	Shore D
HDT at 0,45 MPa	ISO 75	130	110	°C



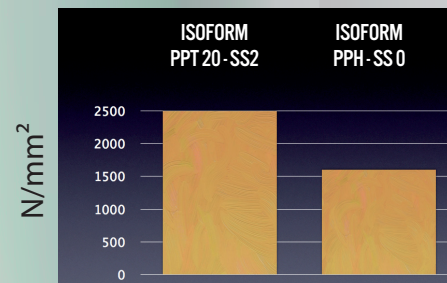
ADVANTAGES:

- Very high temperature resistance
- High degree of elasticity
- Good bending resistance at high temperatures
- Flexibility in low quantity production (direct sheet compounding, economical production process for special compounds and special dimensions in low quantities)
- Flexibility in adjusting shapes to customer's request (finalizing on CNC boring machine or punching machine)
- CNC boring - no remains of surface deformation after machining

HDT - B: (ISO 75/B):



Tensile E-modulus



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BUREAU VERITAS
 Certification



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