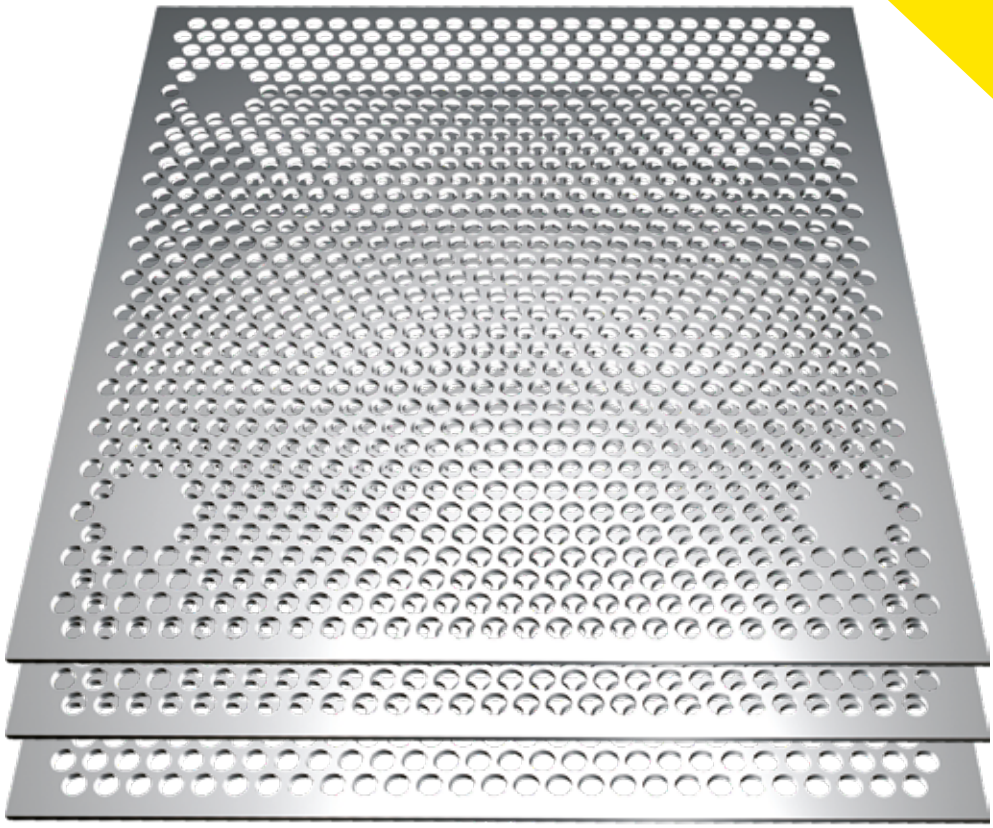
ISOSTER

LAYER PADS FOR STERILIZATION IN AUTOCLAVES

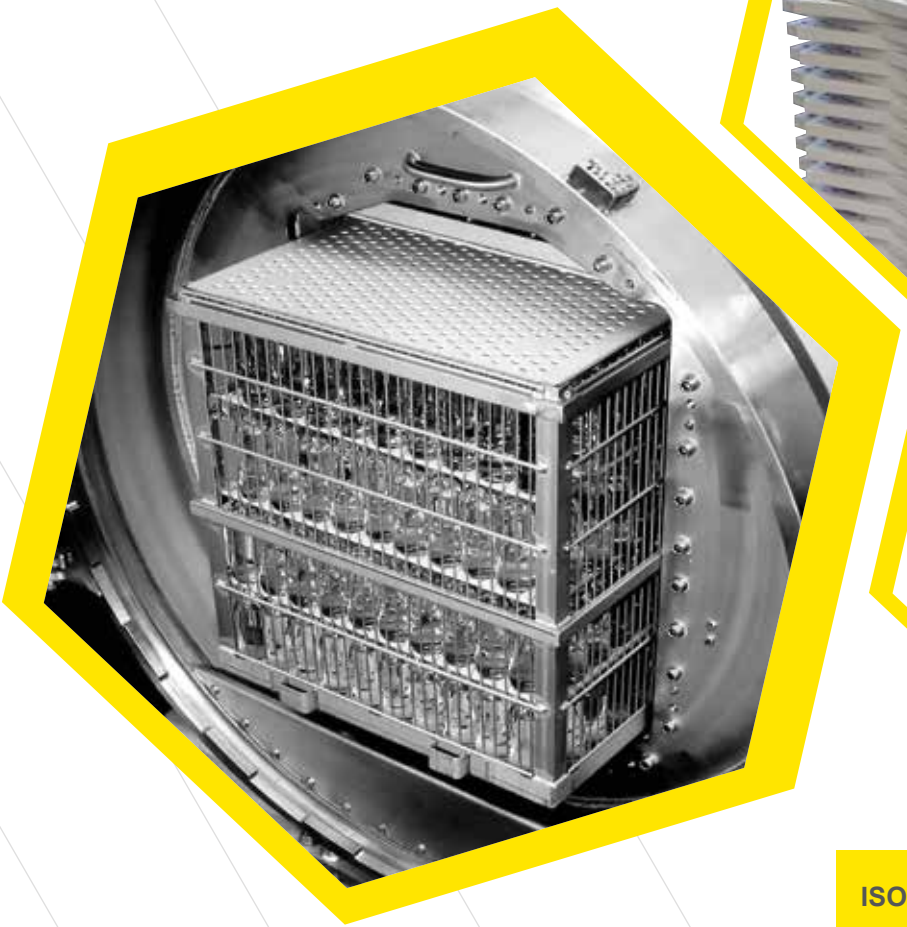
ISOSTER LAYER PADS OFFER YOU A HIGH-QUALITY, ECONOMICAL SOLUTION FOR USE IN THE AUTOCLAVE STERILIZATION PROCESS. THE SPECIAL COMPOUND DEVELOPED FOR THIS APPLICATION OFFERS YOU HIGH BENDING RESISTANCE AT HIGH TEMPERATURES. THE MATS ARE COMPACT AND DEVELOPED TO OPERATE UNDER THE MOST RIGOROUS CONDITIONS.

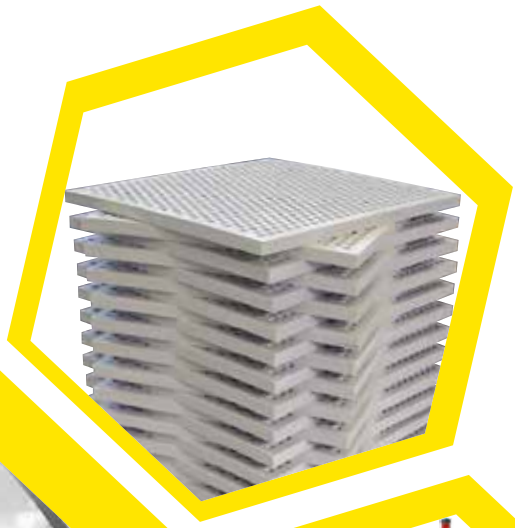


ISOKON
INNOVATIVE PLASTICS SOLUTIONS

MEMBER OF *Constantia* INDUSTRIES

ISOSTER LAYER PADS





ISOSTER layer pads are produced according to customer drawing or samples. This results in flexibility of adjusting to customer's needs.

Why is the selection of Isoster layer pads the only correct decision ?

- Because of extreme stability, they are highly resistant to temperature changes, making temperature change problems disappear
- They are corrosion resistant
- Because of their high flexural module, they are more than suitable for intermediate crane plates in the complex food product thermal treatment
- They are easier to perforate and are substantially lighter when compared to metal plate

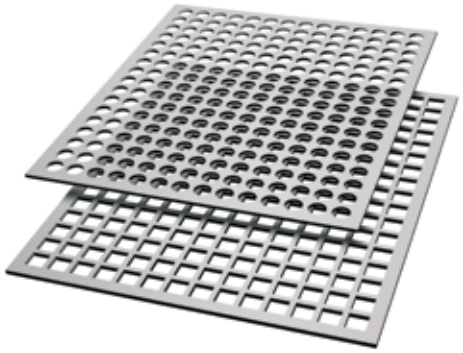
Isoster layer pads have both side smooth surface or one side **embossed surface (N3)** for vacuum handling systems.
The embossed surface prevents wet layer pads from sticking to each other and consequently prevent the vacuum handling system taking several layer pads at once.

KEY BENEFITS

- Very good chemical resistance
- High temperature resistance
- Food Approved
- Good flexural resistance at high temperatures
- Flexibility in small quantity production (economical production process for special dimension in small quantities)
- Flexibility in adjusting shapes to customer´s request

KEY INFORMATION AND FEATURES

- Round or square perforation
- One side embossed surface (N3)
- Possibility of material with both sides rubber protection layer
- Possibility of different types of holes, grooves, machined corners on the same layer pad
- Thicker bottom layer pads
- Thicknesses PPT20S : 2 - 8 mm
  PPH : 2 – 80 mm



Multi-Layer pads with both or one side rubber protection layer

Multi-layer pads with both or one side rubber protection layer for sensitive packaging; example sensitive glass jar caps, twist up caps etc.

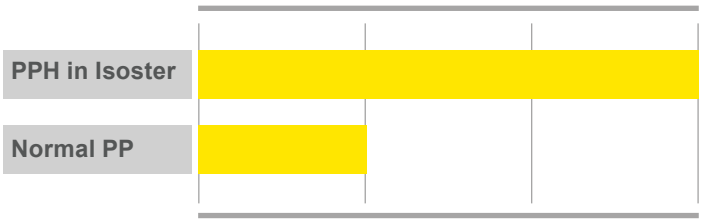
- Material with very good mechanical properties and soft anti-scratching surface with anti-slip properties
- Lower cost, easier manipulation and better performance in comparison with silicon pads

MATERIALS:

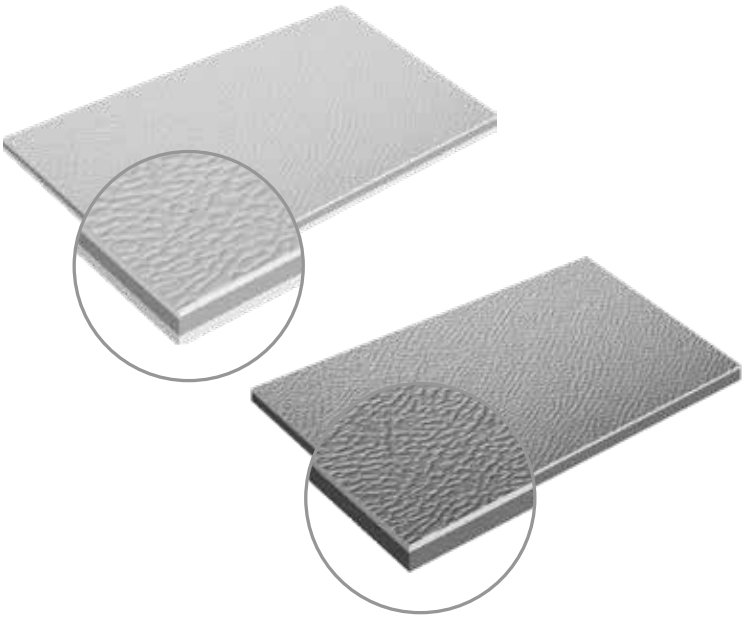
	Test method	Isoform PPH	Isoform PPT20S	Units
Density	ISO 1183	0,91	1,06	g/cm^3
Tensile modulus	ISO 527	1500	2500	MPa
Tensile strength	ISO 527	35	36	MPa
Hardness	ISO 868	73	77	Shore D
HDT (0,45 MPa)	ISO 75	110	130	°C
Vicat A/50	ISO 306	156	158	°C
Vicat B/50	ISO 306	108	114	°C
CLTE		120-190		10^{-6}/K

ISOFORM PPH – Polypropylene homopolymer
ISOFORM PPT20S – Engineered compound based on polypropylene homopolymer

OIT VALUES



***OIT** - The measurement of oxidative induction times (OIT) is a valuable characterization test for assessing the long-term stabilities of polyolefin materials. Longer OIT values generally translate to improved long term performance of material.



ABOUT US

WE ARE MID-SIZED COMPANY WITH MORE THAN 40 YEARS OF EXPERIENCE IN THE FIELD OF TECHNICAL PLASTICS. WE FORM PART OF THE EUROPEAN CHEMICAL AND RUBBER PROCESSING INDUSTRY AND ARE AMONG THE LEADERS IN THIS SECTOR. WE ARE A SUBSIDIARY OF ISOSPORT GMBH, FROM EISENSTADT, AUSTRIA; OUR HEADQUARTERS ARE LOCATED IN SLOVENSKE KONJICE, SLOVENIA.

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