



The Exolon Group Med range

The perfect trio for your
medical needs

vivak[®] inspria[®] exolon[®]

Certified product quality ensures safety



The Exolon Group stands for high-tech products for the modern world. It is one of the leading suppliers of extruded thermoplastic solid and multiwall sheets for a wide range of applications and industries. With production sites in Belgium and Italy, the Exolon Group stands out due to its many years of experience and expertise in the development, production and distribution of high-quality, intelligent and, above all, sustainable solutions in the production of plastic sheets.

The Exolon Group Med range – thermoplastic sheets for medical devices

High standards apply to the production of products for medical applications. Only materials that guarantee a high level of safety and effectiveness for the end product may be used. The solid sheets in the Med range meet all necessary quality standards for applications in the medical sector. These sheets provide you with a service package that accelerates the development process of your medical device, facilitates approval and reduces your overall costs.

Quality, safety and traceability

The sheets help you on your way to compliance with the new EU Medical Device Regulation (EU-MDR) for your end products. Only raw materials that meet the biocompatibility requirements of ISO 10993/USP Class VI are used for production.

In addition, all products are 100% virgin and the material can be traced all the way back to the raw material. This creates an important basis for further documenting your end products. Please check our Medical Reference Guide for further information.



The sheets are produced in accordance with good manufacturing practices (GMP). The manufacturing process is continuously controlled by a quality management system that complies with ISO 9001:2015.



vivak[®]

Vivak[®] Med

Good impact strength and excellent thermoformability

Made from Eastar[™] 6763 Copolyester raw material, the clear thermoplastic copolyester sheets are easy to machine. They have good impact strength and excellent thermoformability. Vivak[®] Med can be quickly hot-formed without pre-drying in extreme drawing conditions and with high impression reproducibility. This allows for low-energy consumption and short production cycles.

Due to their properties, the sheets are suitable for the production of rigid medical packaging, containers for medical devices and prostheses.

EASTMAN

Vivak[®] MED is made of
Eastman Eastar[™] 6763



exolon[®]

Exolon[®] Med

Easy processing and
extreme impact strength

Made of
makrolon[®]



Inspria® Med

High reproducibility and durability

The copolyester sheets are made of Tritan™ MP100 copolyester raw material from Eastman and combine high impact strength with excellent thermoforming properties. Inspria® Med can be thermoformed with extreme drawing conditions and high impression reproducibility. The sheets are durable, heat resistant up to 90°C and easy to machine.

This makes them particularly suitable for the production of dental aligners and rigid medical packaging.

EASTMAN
Inspria® MED is made of
Eastman Tritan™ MP100



inspria®



The transparent polycarbonate solid sheets are made from Makrolon®. Exolon® Med has extreme impact strength and temperature resistance from -100°C to +120°C. This allows sterilisation not only with ethylene oxide or gamma radiation, but with water vapour. Exolon® Med is warm-formable, can be cold bent and is easy to process.

The material is ideal for the production of rigid medical packaging, transport boxes for implants and transparent guards on medical devices.

Benefits of the Exolon Group Med range

- ✓ Traceability
- ✓ Safety and Effectiveness
- ✓ Quality
- ✓ Versatility
- ✓ Impact strength
- ✓ Temperature resistance
- ✓ Good Manufacturing Practice (GMP)

| Product features by comparison | | | |
|--------------------------------|---|---|--|
| | Vivak® Med | Inspria® Med | Exolon® Med |
| Material | Copolyester | Copolyester | Polycarbonate |
| Colour | Clear 099 Blue 569 | Clear 099 | Clear 099 |
| Thickness | 0,60 – 8 mm | 0,60 – 5 mm | 0,75 – 8 mm |
| Properties | Good impact strength Excellent thermoformability High transparency | High impact strength High impression reproducibility High transparency | Extreme impact strength Resistance to a wide range of temperatures High transparency |
| Areas of application | Rigid medical packaging Containers and trays for medical products Applications with skin contact (prostheses, etc.) | Dental aligners Rigid medical packaging Containers and trays for medical products | Rigid medical packaging Containers and trays for medical products Applications with skin contact (prostheses, etc.) Transparent guards on medical devices |

The Exolon Group Med range – for a wide range of applications in the medical sector

Med range solid sheets from the Exolon Group are versatile and have been developed in accordance with the applicable requirements and standards.

The sheets are available in different colours and thicknesses. You will receive a certified raw material for producing your packaging, containers, prostheses or dental aligners.

Traceability to the raw material is guaranteed, which is essential for the further documentation of future end products. Highest quality, resistance and temperature resistance as well as biocompatibility are further basic requirements for use in the medical sector.

vivak[®] inspria[®] exolon[®]

Dealer field

exolon
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