



Our Know-how – Your Advantage

These specially developed TPEs are your material solution for applications requiring basic medical approvals such as ISO 10993-5 and food regulations. The compounds are available in translucent colors and can be colored in many different ways. They are exclusively produced on a special medical production line.

- Requirements according to USP661.1 (Plastic Materials of Construction) and USP661.2 (Plastic Packaging Systems for Pharmaceutical Use) are met
- Extraction tests acc. ISO8871-1
- All raw material are Regulation (EU) No 10/2011 and US 21CFR §174-186 (FDA) approved
- Biocompatibility according to
 - » ISO 10993-4; -5; -10; -11
 - » USP 8871-1 (Elastomeric Parts for parenterals and for devices for pharmaceutical use, Part1: "Extractable in aqueous autoclavates")
- Sterilizable (autoclave 121°C and 134°C, β-/γ-radiation 2x35 kGy, EtO)
- Good compression set
- Free from animal ingredients
- KRAIBURG TPE Medical Service Package
- Free of PVC, silicon and latex

Project leader Eugen Andert:

"With our years of experience and the available approvals, we are well positioned for the pharmaceutical packaging market. But the human factor is just as important, as the customer can rely on our unique medical service package."

Typical Applications

- Pharmaceutical packaging
- Valves
- Seals
- Flexible connections



Technical Data

Selection*		TM3MEP	TM5MEP	TM9MEP
Density	g/cm ³	0,890	0,890	0,890
Hardness	Shore A	29	50	92
Tensile strength	MPa	6.5	11.5	17.5
Elongation at break	%	750	850	700
Tear resistance	N/mm	10.0	15.5	45.0
Compression set 23°C/72h	%	18	23	58
Compression set 70°C/24h	%	28	33	66

*Other hardness grades of this specially developed TPE available.

TALK TO OUR EXPERTS!

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