KRAIBURG TPE
CUSTOM-ENGINEERED TPE AND MORE

FACT SHEET

THERMOPLASTIC ELASTOMERS FOR RESPIRATORY APPLICATIONS

TPE FOR RESPIRATORY MASKS

- Reliable quality for medical devices
- Adhesion to PP, ABS, PC, PBT or PA
- Thermoplastic processing
- Conformities in medical technology

Medical compounds for masks

- Respiratory equipment
- Disposable products for the respiratory support
- Oxygen masks
- Domestic or clinical applications

Selected compounds have the common conformities in medical technology

- DIN ISO 10993-4 "Hemolysis, indirect in human blood"
- DIN ISO 10993-5 "Cytotoxicity"
- DIN ISO 10993-10 "Intracutaneous Irritation"
- DIN ISO 10993-11 "Acute Systemic Toxicity"
- USP Class VI

OUR KNOW-HOW – YOUR ADVANTAGE

- Fast product development at highest requirements
- High and reliable quality
- Worldwide availability of the compounds
- Support with application technology
- More then 10 years of experience in the medical sector
- Sterilizability according to current pharmaceutical and medical standards
- Change Control Management
- Resistance and flexibility
- Processable in injection molding and extrusion
- Adhesion by 2-component injection molding with PP or ABS, PC, PET, PET-G and with polyamides
- Low friction and highly elastic
- High transparency and possibility of pre-coloring
- Below the usual limits for heavy metals and phthalates
- Free from latex and PVC

Technical data of Series MC/tl

		TM3MED	TM4MED
Color		translucent	translucent
Density	g/cm³	0,880	0,880
Hardness	Shore A	27	36
Tensile strength	MPa	6,5	8,0
Elongation at break	%	750	800
Tear resistance	N/mm	10,0	11,5
Adhesion to		PP	PP

Head of Sales Medical Matthias Schmidt:

"Mask applications are diverse and therefore require custom-engineered TPE solutions. Material properties such as surface friction, softness, adhesion to thermoplastics and color can be individually adapted. With our years of experience and the available approvals, we are well prepared for the project discussion with you."

Interested in learning more about our Medical TPE compounds?

Contact us to speak with one of our medical specialists and work together to find the right solution for your requirement.

KRAIBURG TPE GMBH & CO. KG - EUROPE, MIDDLE EAST, AFRICA
info@kraiburg-tpe.com

KRAIBURG TPE TECHNOLOGY (M) SDN.BHD. - ASIA PACIFIC
info-asia@kraiburg-tpe.com

KRAIBURG TPE CORPORATION - AMERICAS
info-america@kraiburg-tpe.com

CM|P|M|FS|DE|01|2003