



Our Know-how – Your Advantage

- Extremely soft material solution in the hardness range: 30-50 Shore 00 (45-70 VLRH).
- Dry and very pleasant surface feel, similar to human skin
- High elasticity
- Processable in injection molding and granulate based 3D printing
- KRAIBURG TPE Medical Service Package for Medical Grade Plastics compliant with VDI 2017
- Free from animal ingredients
- Easy to color

Typical Applications

- Gel and soft pads
- Sock liners
- Knee pads
- Orthopedic pillows
- Medical exercise equipment e.g. tongue trainer



Technical Data

		TF3ZGO -LCNT	HTM8510 /409	TF5ZGO -LCNT	HTM8510 /592
Hardness	Sh 00	30	32	50	51
Hardness	VLRH	45	46	70	69
Density	g/cm ³	0.870	0.866	0.870	0.867
Modulus 100 %	MPa	0.1	0.1	0.1	0.1
Modulus 300 %	MPa	0.1	0.2	0.2	0.2
Elongation at break	%	>1000	>1000	>1000	>1000
Compression Set (72h/23°C)	%	8	8	10	12
Regulation (EU) No 10/2011 and FDA CFR21 (raw material conformity)		✓	✓	✓	✓
Medical grade plastic (VDI 2017)			✓		✓
ISO 10993-10 (Skin irritation)		✓	✓	✓	✓
Color		translucent	transparent	translucent	transparent

Eugen Andert, Product Developer

"We have incorporated our many years of experience with an already established product into further development on the basis of various customer requests - and are pleased to present NEXT GENERATION Supersoft TPE, a product group that is also ideally equipped to meet requirements in the medical sector."

TALK TO OUR EXPERTS!

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