



Our Know-how – Your Advantage

- Alternative material to PVC and TPU
- Free of PVC, silicone and latex
- Optimized kinking behavior / low kinking tendency
- Transparency
- Minimum of extractable and leachable substances
- In accordance with the VDI guideline 2017 on Medical Grade Plastics
- Sterilizable according to common procedures in medical technology
- Optimized for extrusion and injection molding
- Conformity according to Regulation (EU) No 10/2011, US FDA CFR 21 and ISO 10993-05 (Cytotoxicity)
- Hardness range from 47 to 80 Shore A

Dominik Hilz Application Specialist

“In the medical tubing market, the trend towards PVC-free solutions is becoming increasingly popular. Our specially developed THERMOLAST® M compounds for tubing applications meet all the core requirements of the market: optimized kinking behavior, outstanding transparency, maximum material purity and complete absence of PVC, silicone and latex.”

Typical Applications

- Supply hoses (e.g. infusion hoses)
- Drainages
- Ventilation hoses



Technical Data

		HTM8503/ 53	HTM8503/ 73	HTM8510/ 481	HTM8510/ 480	HTM8503/ 91
Hardness	Sh A	47	59	64	69	76
Density	g/cm ³	0.890	0.889	0.892	0.893	0.893
Tensile Strength	MPa	12.5	14.3	15.0	16.0	16.7
Elongation at Break	%	815	881	942	896	953
Tear Resistance	N/mm	12.3	22.0	28.6	32.9	36.9
Color		transparent	transparent	transparent	transparent	transparent
VDI 2017 Medical Grade Plastics		✓	✓	✓	✓	✓

TALK TO OUR EXPERTS!

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