

MT – Compounds for medical and pharmaceutical technology

TYPICAL MARKETS/ APPLICATION SECTORS:

- Medical application

APPLICATION EXAMPLES:

- Seals
- Mouthpieces
- Valves
- Soft touch
- Flexible connections
- Medical tubes

MATERIAL ADVANTAGE:

- Application up to indirect blood contact
- Tested accord. USP Class IV and ISO 10993-5
- Tested according to ISO 10993-11, ISO 10993-10, USP 6.6.1
- Adhesion to PP und HDPE
- Adapted for injection moulding and extrusion
- Very good compression set
- sterilizable (autoclave 134°C, gammaradiation 2x35 kGy, EtO)
- KRAIBURG TPE Medical is valid for this series (description see below)¹

	Colour	Hardness DIN 53505 / ISO 868 Shore A	Density DIN EN ISO 1183-1:2004 g/cm ³	Tensile strength ² DIN 53504 / ISO 37 N/mm ²	Elongation at break ² DIN 53504 / ISO 37 %	Tear resistance ISO 34-1 method B (b) (Graves) N/mm	Compression Set ISO 815 %			
							Shrinkage %	72h/ 23°C	22h/ 70°C	22h/ 100°C
T M 3 M E D	translucent	30	0.89	5.9	703.0	12.7	Injection moulded plaque 125x125x2mm center gate	10.3	22.1	42.5
T M 4 M E D	translucent	40	0.89	7.9	771.0	13.4	1.1 - 2.2	12.4	25.4	43.6
T M 5 M E D	translucent	50	0.89	9.4	804.0	13.9	1.1 - 1.7	14.6	27.7	43.7
T M 6 M E D	translucent	60	0.89	11.2	759.0	18.1	0.9 - 1.7	19.5	32.8	49.4
T M 7 M E D	translucent	70	0.89	12.9	782.0	23.3	0.9 - 1.7	26.5	39.5	54.2
T M 9 M E D³	translucent	89	0.89	17.1	769.0	44.0				

- 1) THERMOLAST® M Medical-Service-Package – all THERMOLAST® M compounds are tested according to the named medical base certifications and Drug Master File – No change in formulation or process, (except of necessary adjustments due to new regulations) – An obligation to inform our customers at least 24 months in advance if any changes to resin formulations or processes are necessary due to change in regulations – One special medical compounding line for production
- 2) Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.
- 3) There is no approval available for this compound;
for the approvals named above, a declaration of conformity will be submitted upon demand

This datasheet is an extract of the THERMOLAST® program. Please contact KRAIBURG TPE to select the compound suitable for your requirements.

Remark: The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The results of our tests are determined by sample check and mean only a technical description of our products. It shall not absolve the customer of the responsibility to make tests for his intended process or purpose. Therefore, KRAIBURG TPE makes no warranties and assumes no liability in connection with any use of this information.