

Product information

TM5LFT (MC/LF Series) | THERMOLAST[®] M

The information provided in this documentation corresponds to our knowledge on the subject at the date of its publication and may be subject to revision as new knowledge and data becomes available. All values reported are typical values based on sample test results. They are not a specification on our part, rather they are only a technical description of our products. The responsibility to conduct testing to determine suitability of use for a particular process or end-use application remains with the customer.

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Processing Method Injection Molding, Extrusion	Color / RAL DESIGN translucent		
Typical applications Seals 	 Soft touch application (e.g. handles or push 		
 Mechanical components Syringe gaskets 	Membranes		
Material advantages			
 Adhesion to PP 	Smooth touch		
Low surface friction	Sterilizable (autoclave 134°C, B-/y-radiation 2x35		
Abrasion resistance	kGy, EtO)		
Scratch resistance	KRAIBURG TPE Medical Service Package		
 Optimized mechanical properties 	US DMF listed		
Regulations / Approvals			
Regulation (EU) No 10/2011	 ISO 10993-5 (Cytotoxicity) 		
 US FDA CFR 21 (raw material conformity) VDI 2017 	 Compatible for HDPE Recycling certified by Cyclos HTP 		
	 Compatible for PP Recycling certified by Cyclos HTP 		



Datasheet TM5LFT (MC/LF Series) | THERMOLAST[®] M

Product properties	Value	Unit	Standard
Hardness	46	Shore A	DIN ISO 48-4
Density	0.890	g/cm3	DIN EN ISO 1183-1
Tensile Strength ¹	9.0	MPa	DIN 53504/ISO 37
Elongation at Break ¹	800	%	DIN 53504/ISO 37
Tear Resistance	14.0	N/mm	ISO 34-1 Method B (b) (Graves)
CS 72 h/23 °C	20	%	DIN ISO 815-1 Method A
CS 24 h/70 °C	31	%	DIN ISO 815-1 Method A
CS 24 h/100 °C	46	%	DIN ISO 815-1 Method A

¹Deviating from ISO 37 standard test piece S2 is tested with a traverse speed of 200 mm/min.

All values published in this data sheet are rounded average values.

* Regulations a compound complies with and approvals granted are displayed here. Please note: All regulations and approvals for all compounds of a series are collectively shown in the overview of the respective product series, i.e. not all regulations and approvals shown in the overview apply to each individual compound.

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The shelf life of the TPE granules is 24 months from delivery if storage instructions are observed and the product is stored in the unopened original KRAIBURG TPE packaging. Store in dry conditions at room temperature (15–30 °C) away from heat sources and direct sunlight! Contact with nitrogen oxides must be avoided during storage!

For further information and individual custom solutions please contact our customer service.

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