

**THERMOLAST® M TM6APO (Series: MC/AD/PA)**  
**KRAIBURG TPE - Thermoplastic Elastomer**
**General Information**
**Product Description**

Medical and pharmaceutical applications; adhesion to Polyamides

- Soft touch application (e.g. handles or push buttons)
- Flexible Connections
- Membranes

**Material advantages**

- Adhesion to PA6 and PA12
- Smooth touch
- Sterilizable ( $\beta$ - $\gamma$ -radiation 2x35 kGy, EtO)
- KRAIBURG TPE Medical Service Package
- Free from animal ingredients
- Colorable, also in effect colors

**Regulations / Approvals**

- Regulation (EU) No 10/2011
- US FDA CFR 21 (raw material conformity)
- VDI 2017
- ISO 10993-4 (Hemolysis)
- ISO 10993-5 (Cytotoxicity)
- ISO 10993-10 (Intracutaneous injection)
- ISO10993-11 (Acute systemic toxicity)

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Ethylene Oxide Sterilizable	• Good Colorability	• Radiation Sterilizable
	• Good Adhesion	• No Animal Derived Components	
Uses	• Buttons	• Handles	• Membranes
	• Connectors	• Medical/Healthcare Applications	• Soft Touch Applications
Agency Ratings	• EU 10/2011	• ISO 10993-10	• ISO 10993-4
	• FDA	• ISO 10993-11	• ISO 10993-5
Appearance	• Natural Color		
Processing Method	• Injection Molding		

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm <sup>3</sup>	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress <sup>2</sup> (Yield)	1160	psi	ISO 37
Tensile Elongation <sup>2</sup> (Break)	650	%	ISO 37
Tear Strength <sup>3</sup>	79.9	lbf/in	ISO 34-1
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	58		ISO 48-4
Additional Information	Nominal Value	Unit	Test Method
Adhesion to PA12 - (B/D) <sup>4</sup>	23	lbf/in	VW 3015
Adhesion to PA6 - (B/D) <sup>4</sup>	26	lbf/in	VDI 2019

