



Typical Applications

- Seals
- Push buttons
- Handles
- Valves
- Grips
- Flexible connectors



Our Know-how – Your Advantage

THERMOLAST® H is a new range of TPE designed for the healthcare and medical device applications in Asia Pacific. The HC/AD1/AP series provides high-quality material solutions which comply with Cytotoxicity ISO 10993-5 and GB/T 16886.5. The series is characterized by its superior adhesion to polar thermoplastics such as PC, ABS, PETG, etc.

- Hardness range from 30 to 80 ShA
- Adhesion to PC, ABS, PC/ABS, PETG, PCTG
- Optimized mechanical properties
- Soft touch surface
- Pre-coloration available in-house
- Free from animal ingredients
- Free of PVC, latex, and heavy metals
- REACH SVHC
- RoHS Directive
- All raw materials are (EU) No. 10/2011, and US FDA CFR 21 approved
- Bio-compatibility testing according to ISO 10993-5 and GB/T 16886.5
- Sterilizable

Technical Data

	Unit	TH4PGM-NTRL	TH6PGM-NTRL	TH8PGM-NTRL
Density	g/cm ³	0.940	0.960	1.030
Hardness	Sh A	40	60	80
Tensile Strength ¹	MPa	5.0	7.0	11.0
Elong. at Break ¹	%	600	650	700
Tear Resistance	N/mm	9.5	13.0	23.0
Adhesion to PC ²	N/mm	3.7 D	5.1 D	9.7 B/D
Adhesion to ABS ²	N/mm	2.4 A	3.2 A	3.7 A
Adhesion to PC/ABS ²	N/mm	2.7 A	5.2 D	10.0 C/D
Adhesion to PETG ²	N/mm	2.6 A	4.9 D	9.9 C/D

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

² The adhesion quality depends on mold design, product geometry and process parameters.

TALK TO OUR EXPERTS!

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