



Our Know-how – Your Advantage

- Contains renewable materials
- Traceable bio-based carbon content according to ASTM D6866
- Bio-based content up to 55%
- Adhesion to polar thermoplastics like ABS, PC, PC/ABS
- Hardness range 40-85 ShA (filled/unfilled)
- PCF reduction by up to ~25% compared to fossil-based alternatives
- Processing comparable to fossil-based TPE
- In-process recycling possible
- REACH, RoHS, SVHC, EN71-3

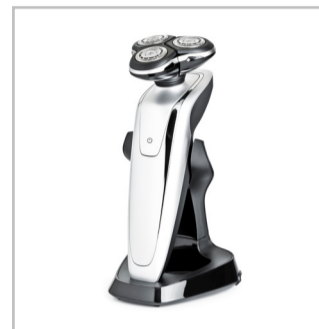
Christina Havlicek-Stelzl

Market Manager Consumer

“Thanks to our bio-based compounds with adhesion to polar thermoplastics like ABS and PC, we are now able to serve an even wider market with more sustainable TPEs. Application fields are ranging from power tool handles up to design elements both in the consumer and industry market.”

Typical Applications

- Handles
- Function and design elements
- Razors
- Caps
- Soft touch surfaces (thumb wheels, push buttons, switches)



Technical Data

	Unit	Virgin compound: TF6FMA	HRB9000/156	HRB9000/173	HRB9000/128
Bio-content	%	-	53	55	34
Hardness	ShA	60	40	60	80
Density	g/cm ³	1.10	1.10	1.16	1.04
Tensile Strength	MPa	4.5	2.0	8.0	15.0
Elong. at Break	%	600	500	450	300
PCF	kgCO ₂ e/kg	3.62	2.65	2.57	3.62
Color		natural	natural	natural	natural
Adhesion to ABS	N/mm	4.7 (B)	2.5 (D)	6.0 (C/D)	5.5 (B)

TALK TO OUR EXPERTS!

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