



Our Know-how – Your Advantage

- Contains renewable materials
- Traceable bio-based carbon content according to ASTM D6866
- Bio-based content up to 71%
- Adhesion to Polyolefins
- Hardness range 30-80 ShA (filled/unfilled), other hardnesses available on request
- PCF reduction by up to ~50% compared to fossil-based alternatives
- Processing comparable to fossil-based TPEs
- In-process recycling possible
- Selected materials recyclable in post-consumer waste streams
- REACH, RoHS, SVHC, EN71-3, GADSL, IMDS

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Project Manager Advance Development

“With our bio-based TPEs, we are closing a gap in our product portfolio and continue our path towards more sustainable TPEs. Our bio-based TPEs offer sustainable solutions whilst maintaining known performance and offering significant reductions of the product carbon footprint. We are looking forward to projects with these new materials, supporting the transition from fossil-based to more sustainable raw materials.”

Typical Applications

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



Technical Data

	Unit	Virgin compound: TF5CGT	HRB9000/169	HRB9000/135	HRB9000/162
Bio-content	%	-	71	69	46
Hardness	ShA	50	30	50	70
Density	g/cm ³	0.880	1.070	1.100	0.870
Tensile Strength	MPa	7.5	4.0	6.0	4.5
Elong. at Break	%	800	750	700	450
PCF	kgCO ₂ e/kg	2.54	1.11	1.08	1.62
Color		translucent	translucent	natural	natural
Adhesion to PP	N/mm	3.5 (D)	3,2 (D)	4.9 (D)	3.5 (D)

TALK TO OUR EXPERTS!

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