

Our Know-how – Your Advantage

- Bio-based content up to 54%
- Adhesion to polar thermoplastics like ABS, PC, PC/ABS
- Hardness range 60-85 ShA
- 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

Matthias Wagner

Head of Sales Consumer EMEA

“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 | RB6PBG-NTRL | RB7PBG-NTRL | RB8PBG-NTRL | RB9PBG-NTRL |
|------------------|------------------------|-------------------------|-------------|-------------|-------------|-------------|
| Bio-content | % | - | 54 | 53 | 50 | 49 |
| Hardness | ShA | 60 | 60 | 70 | 80 | 90 |
| Density | g/cm³ | 1.100 | 1.160 | 1.180 | 1.180 | 1.200 |
| Tensile Strength | MPa | 4.5 | 8.0 | 15.0 | 10.0 | 13.0 |
| Elong. at Break | % | 600 | 450 | 450 | 300 | 300 |
| PCF | kgCO ₂ e/kg | 3.62 | 2.47 | 2.69 | 2.58 | 2.68 |
| Color | | natur | natur | natur | natur | natur |
| Adhesion to ABS | N/mm | 4.7 (B) | 6.0 (C/D) | 6.0 (C) | 6.0 (C) | 6.0 (B) |

TALK TO OUR EXPERTS!

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