



Innovative Materials for Dental Devices

Lubrizol's Unique TPU offering for orthodontics industry

Lubrizol Life Science Health is a total solutions provider for medical device manufacturers. Our range of thermoplastic polyurethane (TPU) products has enabled the invisible dental aligner industry since its inception. Our time tested products provide a unique combination of patient comfort and predictable performance for clear aligners, retainers, mouth guards and dental elastics.

Dental devices depend on Lubrizol TPU for their outstanding properties:

- Balanced mix of strength and softening properties for higher predictability and comfort
- Range of options for stiff to soft materials to meet different performance needs
- Tear resistance for improved device durability
- Flexibility and clarity for a comfortable and transparent product
- Abrasion and chemical resistance, providing performance longevity
- Compatibility with antimicrobial agents and other oral care ingredients

Our TPU range for dental devices:

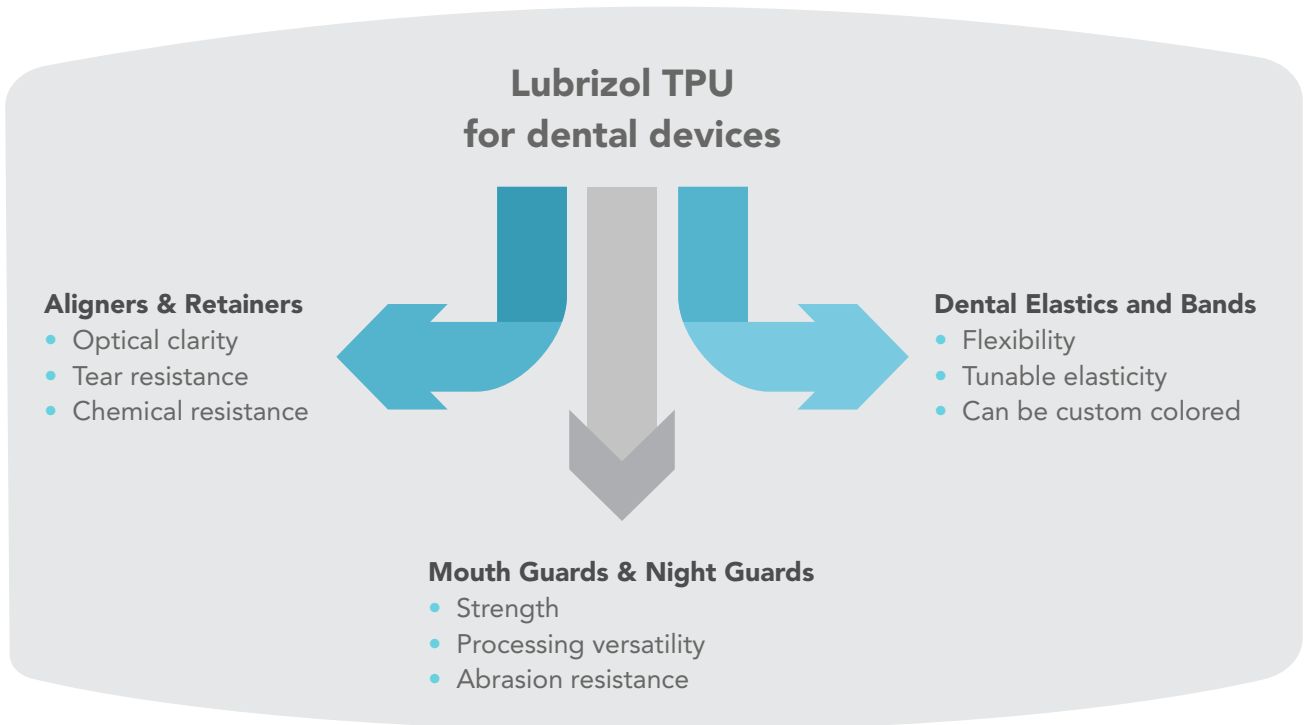
Isoplast[®]

Pellethane[®]

Tecothane[™]

Tecoflex[™]

Our TPU are provided with biocompatibility testing, regulatory support and change control policy.



We are excited to discuss your dental aligner needs and provide you more information on our resin portfolio and sample requirement.

Reach out to us at Lifesciences@lubrizol.com for more information.

About Lubrizol Life Science Health

The Health business team partners with customer to speed their innovative medical devices and differentiated pharmaceutical products to market. Our dedicated team provides best-in-class polymers and excipients, along with state-of-the-art product design, development, and manufacturing services, with the ultimate goal of creating solutions that improve patient outcomes.

Learn more about our offerings at Lubrizol.com/Health/Oral-Care

