

**PRESS RELEASE**

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IMMG SA is pleased to announce the development of a white polymeric archwire from PEEK. Based on a proprietary extrusion and drawing process, the mechanical flexural properties (including bending stress of 680 MPa at deflection 2.00 mm) are comparable to the prevailing Ni-Ti archwires of equal cross-sectional dimensions. Ductility is sufficient to form the required loops, while the static friction coefficient (0.27) and the wear rate ( $0.003 \text{ mm}^3/\text{h}$ ) are much lower than the corresponding metallic ones. In addition to the esthetic advantage arising from the white color, the problems of corrosion, ion release, metal allergy and interference with magnetic resonance imaging are not encountered.

