

RestorePLUS Bulk

Light Cured Polymer Based Dental Restorative Material



RestorePLUS Bulk is a resin-based composite for direct posterior class I and II restorations including occlusal surface, Core Build up, Splinting and indirect restorations.

The outstanding handling characteristics ensure fast and easy placement with excellent aesthetic results. The advanced manufacturing technology results in remarkable physical properties including minimal polymerisation shrinkage resulting in less stress on the bond.

The low water absorption and solubility ensure long-lasting durability and colour retention. In addition, high fracture and abrasion resistance reduces cracks or breaks and the superior compression strength held to withstand chewing forces.

Delivery System

- 4g syringe
- 0.25g x 20 capsules

Presentation

- | | | |
|-----|----------|--|
| REF | 010/1630 | RestorePLUS Bulk 4g Syringe A1 |
| REF | 010/1631 | RestorePLUS Bulk 4g Syringe A2 |
| REF | 010/1632 | RestorePLUS Bulk 4g Syringe A3 |
| REF | 010/1640 | RestorePLUS Bulk Capsules
20 x 0.25g A1 |
| REF | 010/1641 | RestorePLUS Bulk Capsules
20 x 0.25g A2 |
| REF | 010/1642 | RestorePLUS Bulk Capsules
20 x 0.25g A3 |

Characteristics

- Consistency allows you to bulk fill without overfilling
- Non sticky
- Strongly radiopaque
- Fast curing up to 4mm increments

Technical Data

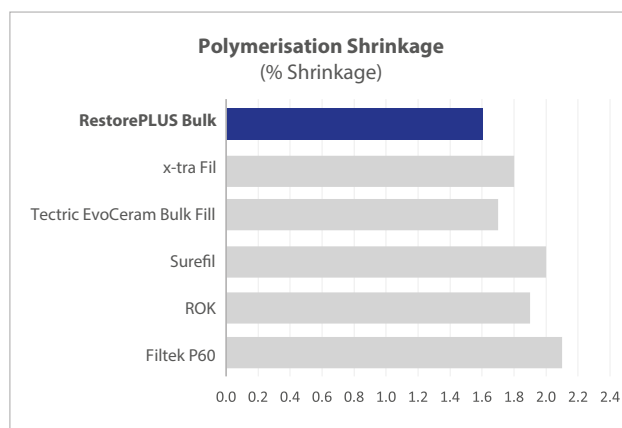
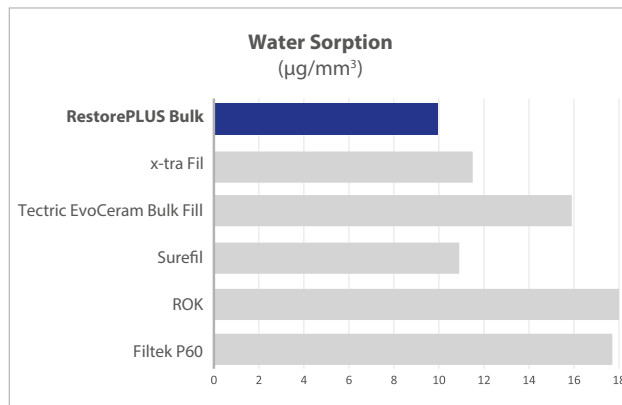
- | | |
|--|------------|
| • Filled by weight (%) | 81 |
| • Filler particle size (µm) | 0.02 - 2.5 |
| • Flexural Strength (MPa) | 143 |
| • Compressive strength (MPa) | 335 |
| • Water sorption (µg/mm ³) | 9.8 |

PHYSICAL PROPERTIES

Superior Aesthetic Results

The unique blend of fillers result in minimal shrinkage meaning less stress on the bond, lower deformation of the tooth structure and better margin quality.

RestorePLUS Bulk mimics the natural tooth with matched refractive indexes. The lifelike translucency allows the composite to blend into the natural tooth structure and surrounding area giving a chameleon effect. The low water sorption helps ensure that colour is maintained longer throughout the life of the restoration.

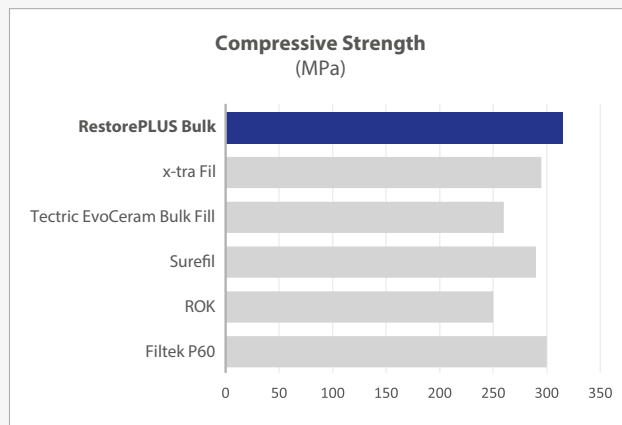
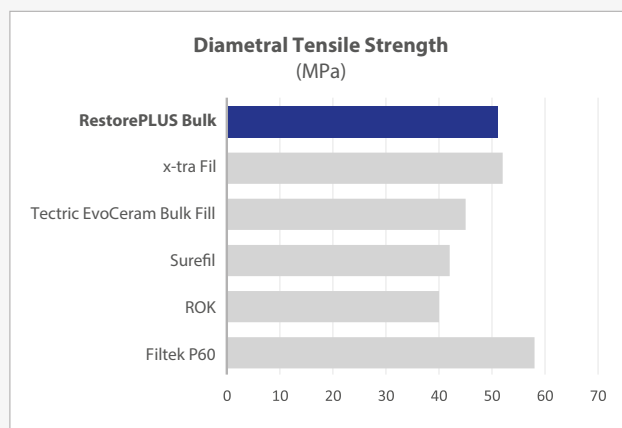
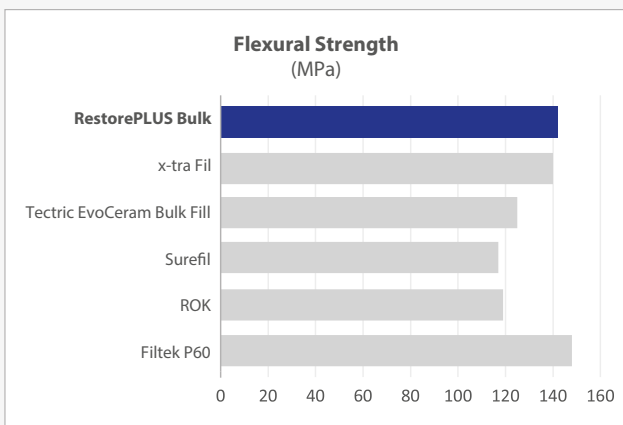


MECHANICAL PROPERTIES

Higher Resistance to Masticatory Forces

RestorePLUS Bulk outperforms many competitor products with higher resistance to masticatory forces. This includes higher compressive, diametral and flexural strengths, resulting in a composite that better resists wear and deformation under load-chewing forces.

The graphs show how the composites withstand forces applied to the top and bottom (Compressive strength), sides (Diametral strength) and 3-point bend technique (Flexural strength).



* Measured by the University of Manchester