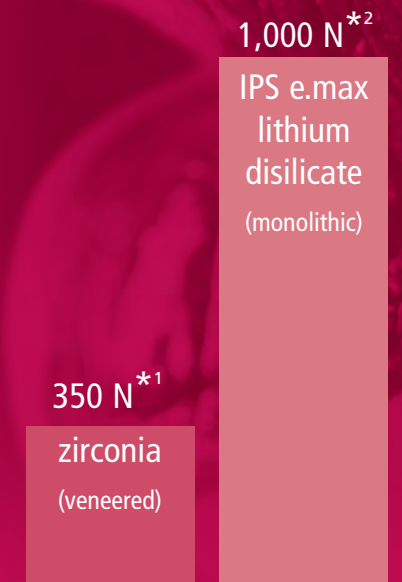


IPS[®]
e.max

**“e.max LITHIUM
DISILICATE IS THE
MOST ROBUST
CERAMIC SYSTEM
TESTED TO DATE.”***



information for the dentist

IPS e.max® Lithium Disilicate all you need for single unit restorations



veneers



thin veneers



inlays/onlays



crowns

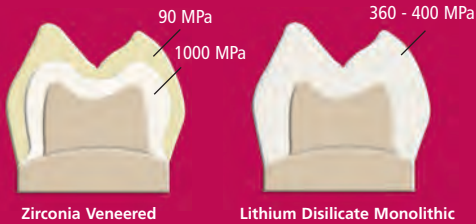
IPS e.max lithium disilicate offers:

- Proven durability
- Unique patented formulation
- Outstanding esthetics
- Conventional or adhesive cementation

IPS e.max®
all ceramic all you need



Lithium Disilicate vs. Zirconia



Chipping of layered ceramic on zirconia

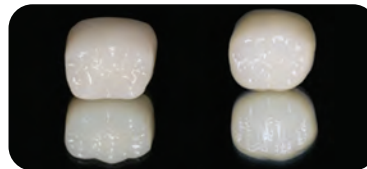
A restoration is only as strong as the weakest link. In the case of veneered zirconia restorations, the weak link is the porcelain layered on top to give the restoration esthetic appeal. Independent research has now

shown that monolithic lithium disilicate restorations have eliminated this challenge. IPS e.max lithium disilicate is all you need for high-strength, high-esthetic restorations.

Durability Testing

"e.max lithium disilicate is the most robust ceramic system tested to date."*

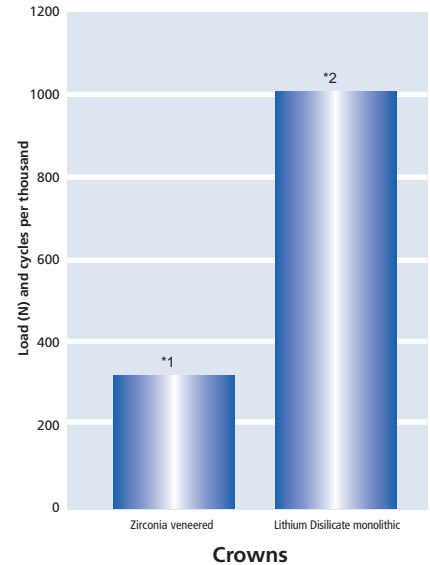
An independent study¹ evaluated the durability of lithium disilicate as it compares to layered zirconia supported restorations by means of a mouth motion cyclic fatigue test. This test is able to simulate the forces exerted in the mouth to assess how ceramic materials hold up to the forces of chewing.



Zirconia Supported Veneered

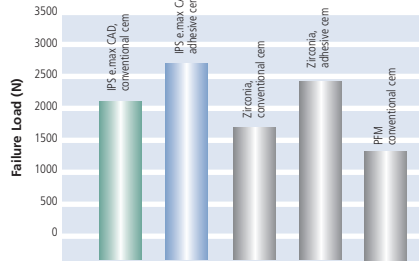
Lithium Disilicate Monolithic

Material Survival with Cyclic Fatigue Testing



IPS e.max Lithium Disilicate *This Changes Everything.*SM

Load to Failure



Source: R&D, Ivoclar Vivadent, Inc.

Ivoclar Vivadent's patented lithium disilicate material is truly a revolution for the dental industry.

Never before has a material been able to combine high strength, high esthetics and ease of use into one product, until now.

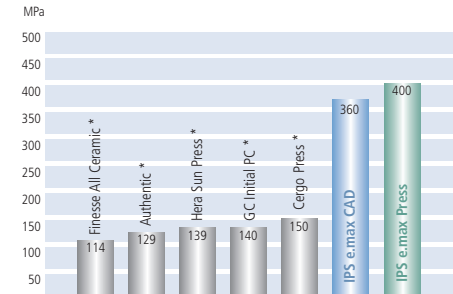
IPS e.max lithium disilicate restorations exhibit superior durability featuring 360-400 MPa of flexural strength. What's more, when the lithium disilicate is fabricated to full-contour, the monolithic structure is the most robust ceramic system tested to date.*

Lithium disilicate is comprised of a unique crystalline structure which gives the material its strength and uncompromised esthetics. The opalescence, translucency and light diffusion properties of lithium disilicate were all designed to replicate natural tooth structure for beautiful and undetectable restorations.

Not only does the strength of lithium disilicate make it durable in the mouth, but it also offers options for cementation. Restorations with a retentive preparation form can be conveniently cemented with conventional cement.



Flexural Strength



* not registered trademarks of Ivoclar Vivadent AG
Source: R&D, Ivoclar Vivadent AG, Schaun, 2005



emaxchangeseverything.com

*** Mouth Motion Fatigue and Durability Study**

Petra C Guess, Ricardo Zavanelli, Nelson Silva and Van P Thompson, NYU

- ¹ 90% failure by 100,000 cycles
- ² No failures at 1 million cycles

100% CUSTOMER SATISFACTION
GUARANTEED!

www.ivoclarvivadent.com

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630327 Rev. 1 7/2009

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