TPH² Micro Matrix Restorative (Dentsply - Caulk) (Project 07-20) (11/08)

TPH² is a resin composite restorative material advertised as being formed from Dentsply Caulk's Micro Matrix Technology, which purportedly blends nanofilling technology with proprietary fillers forming a restorative material said to provide both excellent esthetics and durability. TPH² is said to possess excellent surface luster, creamy and non-sticky clinical handling behavior, as well as strong and balanced physical properties. The resin matrix of TPH² is described as providing very efficient cross-linking during polymerization that demonstrates balanced light-refractive properties to provide lifelike esthetics and color absorption. Shade selection is via a Vita-based guide that is made from actual TPH² material. TPH² is available in both Compule and Easy*Twist Syringe delivery methods.

Manufacturer:
DENTSPLY Caulk
38 West Clarke Avenue
P.O. Box 359
Milford, DE 19963-0359
(800) 532-2855
(302) 422-4511
(800) 788-4110 FAX
caulkinfo@dentsply.com
www.caulk.com
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Suggested Retail Price:

$486.50  Compules Tips Complete Organizer System (#642700)
Contains:  96 TPH² Compules Tips (0.25 g each)
6 – (each shade) A1, A2, A3, A3.5, LYG
4 – (each shade) B1, B2, C2, C3, LB, DB, L, LG
3 – (each shade) A4, B3, C1, C4, D3, XL, CE, YE
2 – (each shade) BW, DY, XGB, B1-I, C2-O
TPH² Shade Guide
1 – 3mL syringe Caulk 34% Tooth Conditioner Gel
10 – Prime & Bond NT Unit Doses
1 – Compules Tips Gun
1 – 1.3 g syringe Esthet*X Flow
10 – Enhance Discs
5 – Enhance Cups
5 – Enhance Points
1 – 4 g syringe Prisma Gloss
1 – 4 g syringe Prisma Gloss Extrafine

$273.60  Compules Tips Intro System (#642701)
Contains:  36 TPH² Compules Tips (0.25 g each)
6 – (each shade) A1, A2, A3, A3.5
4 – (each shade) B1, B2, C2
2 – shade CE
TPH² Shade Guide
1 – 3mL syringe Caulk 34% Tooth Conditioner Gel
5 – Prime & Bond NT Unit Doses
1 – Compules Tips Gun
TPH 3 exhibited similar physical properties (flexural strength, modulus, diametral tensile strength, and shrinkage) compared to other resin composites evaluated by DECS. Clinical users overall appreciated the TPH 3 packaging configuration and thought the technique information was adequate. The evaluators also appreciated the clinical handling characteristics displayed by the material, with all evaluators reporting that TPH 3 resisted slumping, was easily sculpted, and maintained the desired configuration before light curing. TPH 3 was found to possess more than adequate radiopacity, and simulated expeditionary environmental storage conditions did not significantly affect TPH 3’s flexural strength or modulus. TPH 3 is the second most expensive resin composite restorative material that has been evaluated by DECS up to this date. TPH 3 is rated Acceptable for use in US Air Force dental facilities.