



Karadent™

FAQ'S & TIPS

Karadent™ by tcs® is a monomer free semi-rigid microcrystalline polymer formulated for complete dentures, semi-flexible partials, clear clasps, clear frameworks and nightguards. Karadent™ combines the durable strength of nylons with the simplicity of acrylics to create a comfortable, aesthetic and reliable appliance.

What thickness is ideal when waxing Karadent™?

Wax up for any Karadent™ denture should be slightly thicker than for a flexible partial due to its density. Waxing too thin will prevent the material from flowing evenly, which could result in short castings. **The ideal thickness is between 2mm to 2.5mm.**

Is Karadent™ relinable and/or repairable?

Karadent™ is both repairable and relinable. As with any repair for TCS restorations, Fusing Liquid must be used as a bonding agent.

What separator should I use for Karadent™?

We recommend using TCS EZ Flow separator or any acrylic separator. *Separator should be applied on a cold flask, this will prevent separator from peeling.* For TCS EZ Flow separator follow the instructions provided on the bottle. For any acrylic separator apply 1 thin layer and wait until it is completely dry.

What is the recommend injection time and temperature?

Injection time and temperature will vary depending on the injection unit type, calibration, and brand.

TCS Manual Injector or TCS Hydraulic Injector with the TCS Digital Furnace (or with a similar injector using 25mm cartridges):

540°F for 14 - 16 min

TCS Automatic Air Injector:

Set display at 310° - 320°C for 14 - 16 min
150 - 165 psi

Tips:

- › Upgrade your acrylic dentures to Karadent™.
- › With most air injectors it is advised to increase PSI to avoid miscasts and/or bubbles.
- › Store cartridges in a dry place, in the zip lock with no air and with the desiccant.
- › Even though some bubbles are sometimes inevitable, they can easily be repaired with acrylic.
- › When designing a Karadent™ partial keep in mind that the design will be based on a metal framework design. Do not rely on frame flexibility or clasps to fit undercuts.
- › Use 3 sprues when spruing a full denture. One down the middle, and 2 to the sides. Place sprues on the far end of the partial, in the thinner waxed area. Do not place sprues right under the teeth.
- › For finishing and polishing use Unbreakable™ techniques or traditional acrylic techniques.
- › **Fabricate a Karadent™ clear framework with acrylic saddles.**

- › Watch step by step video online:
<https://youtu.be/IOzHlkdsxAU>
YouTube channel: TCS DENTAL INC

