

new product review



TAKE 1 (SDS KERR)



by
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Polyvinylsiloxane impression materials comprise approximately 60% of the market share in the U.S. This is probably due to the fact that their improved chemistry determines many desirable features in relation to polyether, condensation silicone, rubber base, and hydrocolloid impression materials. Basically, expectations from an impression material include ease of use, dimensional stability, and the possibility of being able to have many pours.

Kerr has recently released their all-new series of polyvinyls. (Figure 1) Take 1 is conveniently available in four viscosities and two set times. (Table 1) All viscosities utilize a vinyl polymer blend, a bimodal filler system, and a patented hydrophilic additive. (Table 2) The polymer blend is a mix of five raw vinyl viscosities which supposedly optimizes polymerization and gives high tear-strength and dimensional stability, as well as high elongation. The bimodal filler system is made up of two different fillers in a hybrid composition that impart strength and handling to the product. The manufacturer's claims of the material's enhanced hydrophilic properties have proven correct in this author's clinical evaluation where excellent detail reproduction has been observed even in the presence of moisture around preparation margins.

Viscosities: While Take 1 wash material presents virtually no slumping (Figure 2), it flows very nicely into cavity preparations and around margins; blowing a gentle stream of air onto extruded material helps further drive it



Figure 1

into nooks and crannies thus minimizing void formation. The medium and monophasic consistencies are more viscous and can be utilized in single impression techniques or associated with the light body material. Of special good handling are the tray and rigid tray materials, which have the right amount of stiffness to prevent slumping while being soft upon intraoral introduction.

Packaging: For a limited time, the Take 1 intro kit is packaged in a colorful metal box that accommodates four cartridges of

new product

TABLE 1

	TAKE 1 Wash Fast Set	TAKE 1 Wash Reg Set	TAKE 1 Med/Mono Fast Set	TAKE 1 Tray Reg Set	TAKE 1 Tray Fast Set	TAKE 1 Rigid Tray Fast Set
Work Time (mins)	1.5	2.0	1.5	2.0	1.5	1.5
Set Time (mins) from start of mix	4.0	5.0	4.0	5.0	4.0	4.0
Dimensional Change - % (24 hours)	.16	.15	.33	.27	.28	.30
% Elongation	230	240	210	200	185	150

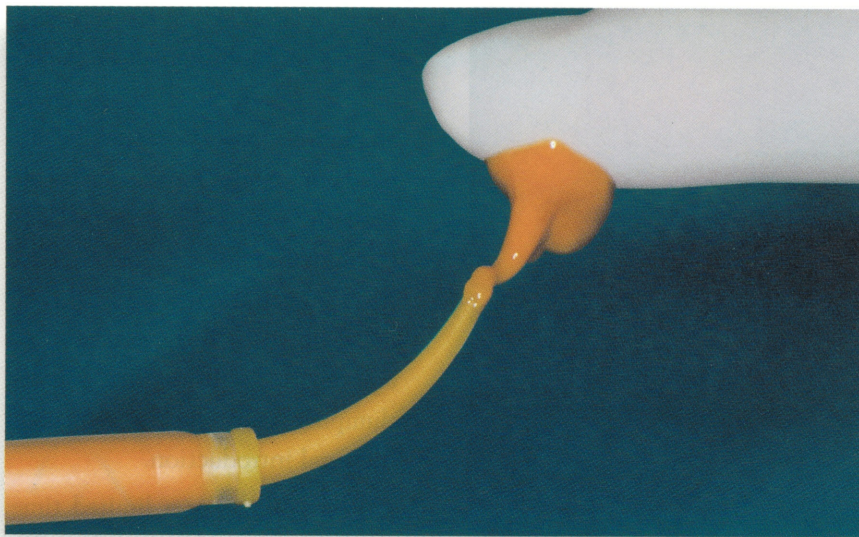


Figure 2

tray/wash material in regular or fast set times, one extruder gun, six large mix tips, six small mix tips, and 12 intra-oral tips. Take 1 is also available in 24 (no mix tips) and 32 (96 mix tips included) cartridge packs. The small mix tips associated with the intraoral tips are very efficacious and timesaving when making impressions of multiple units because they preclude the use of a syringe as an intermediate step. *AK*

TABLE 2

TAKE 1 COMPOSITION

Catalyst Paste

- Polyvinylidimethylsiloxane fluids
- Platinum catalyst complex
- Cyclic vinyl retarder
- Platinum black hydrogen scavenger
- Silica filler
- Calcium silicate filler
- FDA approved pigments

Base Paste

- Polyvinylidimethylsiloxane fluids
- Hydrofunctional polydimethylsiloxane crosslinker
- Hydrophilic modifiers
- Silica filler
- Calcium silicate filler
- FDA approved pigments

