

## **PHYSICAL DATA**

### **GEM LINE**

#### **Introduction**

Ionoposites are a new breed of dental materials. They are essentially a hybrid of composites and glass ionomers in a truly compatible environment. That is they are not a simple mix of the water based glass ionomer system and the resin based composites since their very natures would make the system very incompatible. In fact the chemistry has been advanced such that the composite fillers are compatible with glass ionomer fillers, and the glass ionomer acrylate is compatible with the composite resin.

#### **Indications**

Light cured ionoposite for base filling cavities

#### **Technical Specifications**

Setting time (light cured) 30 secs.

Adhesive to dentine 2 - 4 mpa

Adhesion to dentine in conjunction with polyacrylic acid conditioner 8 - 11 Mpa

Compressive strength over 65 Mpa

Diametral strength over 6 Mpa

Fluoride release YES (level) to be determined.

**STORAGE;** Store in a cool dry place , away from direct sunlight and heat (storage temperature must not Exceed 23'c) Shelf life of this material is up to 18 months from the date of manufacture. After 18 months paste may begin to thicken and require more than 30 secs to cure.

The above product is tested to the following specification; ASP/GL/08/95.

product code; 2120

