CLAIMS

That which is claimed is:

1. An elastomeric dental floss composition comprising:

   a. a blend of an elastomeric block copolymer and polypropylene, wherein the elastomeric block copolymer comprises a styrene-ethylene/butylene-styrene block copolymer; and

   b. a plasticizer.

2. The composition of claim 1, wherein the polypropylene is a polypropylene homopolymer.

3. The composition of any preceding claim, wherein the elastomeric block copolymer comprises 50% to 99% by weight of the blend.

4. The composition of any preceding claim, wherein the polypropylene comprises 1 % to 50% by weight of the blend.

5. The composition of any preceding claim, wherein the composition comprises from 30% to 99% by weight of the blend.

6. The composition of any preceding claim, wherein the styrene-ethylene/butylene-styrene block copolymer comprises 20% to 40% by weight of styrene.

7. The composition of any preceding claim, wherein the plasticizer is a mineral oil, naphthenic oil, or a combination thereof.

8. The composition of any preceding claim, further comprising a flavorant, a colorant, a fluoride ion source, an abrasive, an antiseptic or antimicrobial agent, an analgesic agent, an anti-inflammatory agent, a coagulant, a vitamin, or a combination thereof.

~~9. The composition of any preceding claim, wherein the composition is in the form of a dental floss that can be elongated up to 1,500% of its initial length without breaking.~~

~~10. The composition of any preceding claim, wherein the composition is in the form of a dental floss that has a tensile strength peak at breaking point, for a 2 mm wide sample, as measured on an Instron 4464 with $2.76x10^5$ Pa (40 psig) grips, of less than 20 N/m^2.~~

~~11. The composition of any preceding claim, wherein the composition is in the form of a dental floss that has a tensile strength peak at breaking point, for a 2 mm wide sample, as measured on an Instron 4464 with $2.76x10^5$ Pa (40 psig) grips, of less than 18 N/m^2.~~

~~12. The composition of any preceding claim, wherein the composition is in the form of a dental floss that has an elongation at breaking point, for a 2 mm wide sample, as measured on an Instron 4464 with $2.76x10^5$ Pa (40 psig) grips, of more than 100%.~~

~~13. The composition of any preceding claim, wherein the composition is in the form of a dental floss that has an elongation at breaking point, for a 2 mm wide sample, as measured on an Instron 4464 with $2.76x10^5$ Pa (40 psig) grips, of more than 200%.~~

~~14. The composition of any preceding claim, wherein the composition is in the form of a dental floss that has an average diameter at maximum elongation before breaking, for a 2 mm wide sample, as measured on an Instron 4464 with $2.76x10^5$ Pa (40 psig) grips, of less than 0.35 mm.~~

~~15~~9. An elastomeric dental floss composition according to claim 1, wherein: the elastomeric block copolymer is a styrene-ethylene/butylene styrene block copolymer; the polypropylene is a polypropylene homopolymer; and the plasticiser is a naphthenic mineral oil.