

SILICONE HYDROGEL LENSES WITH WATER-RICH SURFACES

ABSTRACT

The invention is related to a hydrated silicone hydrogel contact lens having a layered structural configuration: a low water content silicone hydrogel core (or bulk material) completely covered with a layer of a water-rich (e.g., a water content greater than 80%), hydrogel totally or substantially free of silicone. A hydrated silicone hydrogel contact lens of the invention possesses high oxygen permeability for maintaining the corneal health and a soft, water-rich, lubricious surface for wearing comfort.

Figure 4C