

ABSTRACT OF THE DISCLOSURE
COMPOSITE BODY OF SILICONE RUBBER AND SILICONE-EPOXY
RESIN AND METHOD FOR THE PREPARATION THEREOF

Proposed is a method for the preparation of a monolithically integrated composite cured body consisting of a part of cured silicone rubber composition and a part of a silicone-epoxy resin composition firmly bonded together without using any primer or adhesive by first curing either one of the compositions in a metal mold and then bringing the other of the compositions into direct contact with the already cured part in the metal mold to be cured thereon. Firm bonding between the parts can be obtained when the silicone rubber composition is of the peroxide-curable or the hydrosilation-curable type and the silicone-epoxy resin composition comprises:

- (a) a curable epoxy resin;
- (b) an alkenyl group-containing organopolysiloxane;
- (c) an organohydrogenpolysiloxane;
- (d) an organosilicon compound having at least one silanol group in a molecule;
- (e) an organic aluminum compound such as aluminum benzoate; and
- (f) a compound of a platinum group metal such as chloroplatinic acid, each in a specified weight proportion.

(Figure 1)