

PRODUCT MANUAL

Product name:	Quantsil
Product number:	Quantsil L and Quantsil H

Description

Quantsil is supplied as a two-part set, i.e., the base elastomer (component A) and the curing agent (component B).

Luminescent PDMS preparation:

- (1) Mix component A with component B using 10:1 (w/w) ratio (for ca. 10 minutes).
- (2) Mixing generates a lot of air bubbles. Thus, leave the as-prepared mixture for about 1 hour at room temperature or use a vacuum desiccator for 20 min to remove bubbles.
- (3) Place the material in the mold (i.e., glass or silicone) and again remove bubbles if necessary.
- (4) Cure the material at room temperature (ca. 25°C) for 48 hours or in the furnace at 90°C for 1 hour.
- (5) Remove the materials from the mold carefully. The resulting PDMS should be stable for at least six months.

Caution: Nanoparticles

Handling: Wear personal protective equipment, face and eyes protection. Wear protective gloves. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation. Ensure proper ventilation. Avoid dust formation. Avoid breathing vapors, dust, mist or gas.