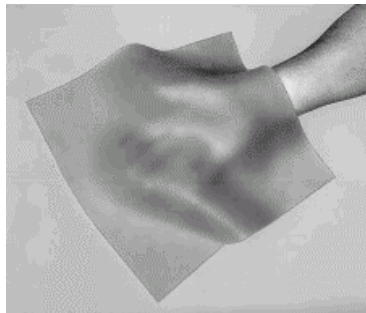




## SUPERFLAB PLASTIC BOLUS MATERIAL



Conforms nicely to patient contour, while maintaining good uniformity of thickness.

- For maximum dose buildup to skin.
- Tissue-equivalent.
- Flexible.
- Will not dry out.
- Choice of thicknesses from 0.3 cm to 4 cm.

A search for a tissue-equivalent bolus substance which is both flexible and will not dry out led to the development of Superflab Plastic Bolus.

This unique material is a synthetic oil gel having a specific gravity of 1.02. It is based on vinyl-plastic containing disodecyl phthalate. Slabs of this material are elastic and quite “flabby,” hence the Superflab name.

The slabs conform nicely to the patient’s contour, while still maintaining a good uniformity of thickness. Superflab comes in thicknesses which provide maximum dose buildup for relevant photon energies. Since the material does not suffer inelastic strain for normal stresses, it does not have to be bagged or wrapped in plastic film to maintain its shape. At the

option of the user, however, the bolus can be wrapped in disposable plastic film for cleanliness.

Or, Superflab can be washed with soap and water as needed, followed by an application of talcum powder or cornstarch.

### **Superflab's Dosimetric properties closely simulate water!**

The dosimetric properties of Superflab were determined by comparison with polystyrene of various thicknesses, using both photon and electron beams of various energies. When both Superflab and Polystyrene were compared with water, Superflab was found to be a closer simulation to water.

Since this vinyl gel has both an electron build-up characteristic and a density closer to that of water than polystyrene (long accepted as a standard), it is widely used in radiotherapy clinics. It is not tissue-equivalent at diagnostic x-ray energies.

<b>STANDARD SIZES</b>	
<b>Model No.</b>	<b>Dimensions and Thickness (cm)</b>
37-070	30 x 30 cm x 0.3
37-071	30 x 30 cm x 1
37-072	30 x 30 cm x 1.5
37-073	30 x 30 cm x 2
37-074	30 x 30 cm x 2.5
37-075	30 x 30 cm x 0.5
37-076	30 x 30 cm x 3
37-078	30 x 30 cm x 4

<b>EXTRA-LARGE SIZES</b>	
Model No.	Dimensions and Thickness (cm)
37-071-3040	30 x 40 x 0.5
37-071-4040	40 x 40 x 0.5
37-071-4060	40 x 60 x 0.5
37-071-5090	50 x 90 x 0.5
37-071-5010	50 x 100 x 0.5
37-071-5012	50 x 120 x 0.5
37-072-4040	40 x 40 x 1.0
37-072-4060	40 x 60 x 1.0
37-072-4010	40 x 100 x 1.0
37-072-5012	50 x 120 x 1.0
37-074-4040	40 x 40 x 2.0
37-076-4040	40 x 40 x 3.0
37-078-4040	40 x 40 x 4.0

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