

Superflab Bolus Material

The original, most popular, best conforming, least expensive, non-sticking bolus material available today!

Superflab bolus material is offered in thicknesses which provide maximum dose buildup for relevant photon energies. Since the material does not suffer inelastic strain from 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, Superflab may be wrapped in disposable plastic film for cleanliness and use, or it may be washed with soap and water as needed followed by an application of talcum powder or corn starch.

Superflab slabs are elastic and quite “flabby.” The material conforms nicely to the patient’s contour while still maintaining good uniformity of thickness.

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

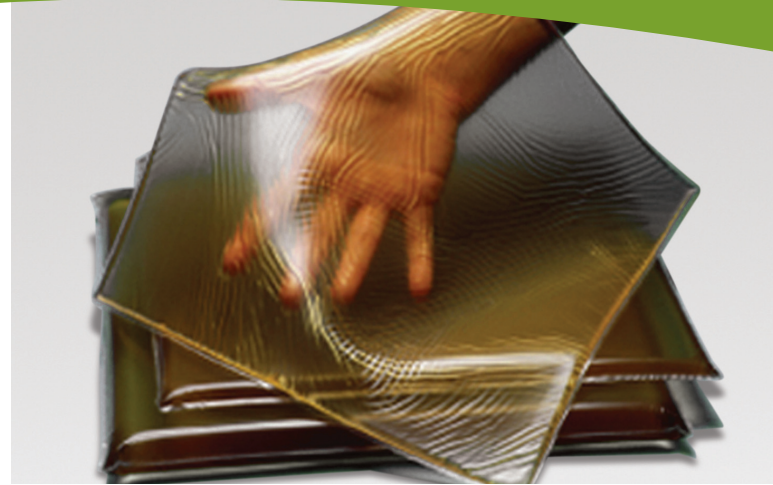
Since this vinyl gel has both an electron buildup characteristic and a density closer to that of water than polystyrene (long accepted as a standard), it is anticipated this flexible tissue substitute will find wide acceptance in radiotherapy departments.

Although Superflab exhibits very little cold flow, it is best stored flat, not folded. Because Superflab is an oil gel, care must be taken because the synthetic oils can damage plastic surfaces, particularly vinyl-covered furniture.

Superflab was developed by Gene R. Feaster, Ph.D.

Features

- ▶ For maximum dose buildup to skin
- ▶ Conforms well to patient’s contour
- ▶ Very elastic and “flabby”
- ▶ Skinless
- ▶ Semitransparent
- ▶ Specific gravity: 1.02
- ▶ Made of synthetic oil gel
- ▶ Will not dry out
- ▶ Maintains thickness uniformity
- ▶ Can be washed
- ▶ Can be cut
- ▶ Approved for human contact



Model	Size	Thickness	Energy
SBM-3303	30 x 30 cm	0.3 cm	
SBM-3305	30 x 30 cm	0.5 cm	Co-60
SBM-3310	30 x 30 cm	1.0 cm	4 MV
SBM-3315	30 x 30 cm	1.5 cm	6 MV
SBM-3320	30 x 30 cm	2.0 cm	8 MV
SBM-3325	30 x 30 cm	2.5 cm	12 MV
SBM-3330	30 x 30 cm	3.0 cm	15 MV
SBM-3340	30 x 30 cm	4.0 cm	20 MV
SBM-3405	30 x 40 cm	0.5 cm	Co-60
Extra large sizes			
SBM-4405	40 x 40 cm	0.5 cm	Co-60
SBM-4605	40 x 60 cm	0.5 cm	Co-60
SBM-5905	50 x 90 cm	0.5 cm	Co-60
SBM-51005	50 x 100 cm	0.5 cm	Co-60
SBM-51205	50 x 120 cm	0.5 cm	Co-60
SBM-4410	40 x 40 cm	1.0 cm	4 MV
SBM-4610	40 x 60 cm	1.0 cm	4 MV
SBM-41010	40 x 100 cm	1.0 cm	4 MV
SBM-51210	50 x 120 cm	1.0 cm	4 MV
SBM-4420	40 x 40 cm	2.0 cm	8 MV
SBM-4430	40 x 40 cm	3.0 cm	15 MV
SBM-4440	40 x 40 cm	4.0 cm	20 MV

Special sizes and shapes are available upon request. Additional tooling charges may apply.