

TECHNOLOGIES TRANSFERRED FROM ISRO

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UMBILICAL PADS

(Technology Transferred to M/s Beekay Foams Pvt. Ltd.)

Umbilical foam pads are semi rigid foams developed based on Polyurethane (PU) polymeric systems having energy absorbing capabilities. Polyurethane integral skin foams are used for absorbing shock and impact as they are also applied in vibration control and acoustic insulation. By using different polyols, isocyanates or their combinations, it is possible to obtain either flexible or rigid or semi rigid foams. The Umbilical Foam Pads are used for protecting umbilical systems of launch vehicles from shock and impact with least rebound during launch vehicle lift off.

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