



Dow Hyperlast

engineering polyurethane excellence

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DYNATHANE™
microcellular elastomers



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Polyurethane microcellular elastomers

- Excellent Anti-Vibration performance
- Resists hydrolysis, fungal and microbial attack, abrasion and tear
- Can be processed in a variety of densities
- High volume compressibility and outstanding dynamic durability
- Cost effective and easy to process with a short in-mould time
- Designed for high quality, high volume moulding processes

DYNATHANE™ provides a simple solution to impact, shock, noise and vibration problems and is ideal where weight or size restrictions limit elastomers. As such, it is suitable for a wide range of applications, particularly in the mechanical engineering, construction and leisure industries.

DYNATHANE™ performs consistently well under static and dynamic loads and has excellent load/ deflection characteristics. In addition, this material exhibits good abrasion resistance, thermal stability, low compression set and can be processed in a range of densities from 300–650kg/m³.

This system is based on MDI prepolymer technology, which offers high performance polyurethane, which is environmentally safer.

All DYNATHANE™ materials are quality assured to ISO9001 and are backed by outstanding technical service.



Polyurethane microcellular elastomers

Applications for DYNATHANE™ include:

- Crane buffers
- Lift bump stops
- Anti-Vibration mats/ pads
- Rail sleeper pads
- Spring aids (non-automotive applications)
- Noise insulation applications
- Hand tool vibration insulation (white finger)
- Shock absorption in prosthetics
- Mountain bike shock absorbers
- Seals, sheet, rod, and tube products
- Any application where weight or size restrictions limit elastomers

