



Polyurethane Applications

Bumpers & Shock Absorption



Pleiger Plastics Polyurethane Bumpers

- ✓ Plei-tech custom molded polyurethanes are frequently used in demanding applications where shock absorption, vibration dampening and noise reduction are required.
- ✓ Common urethanes that do not exhibit excellent dynamic performance, low compression set, and high cut and tear resistance will quickly fail in these vibration damping applications.
- ✓ Pleiger Plastics can design and test shock absorbing bumpers to develop stress and strain curves which meet specific needs for bump stops, damping bumpers and bumper systems.
- ✓ Shock absorbing applications are both common and highly variable, since they can include prosthetics, coal car draft gears and pump check valve balls. Equipment bumpers can be designed for shock absorption on loads from 1 to 200,000 lbs.

PT-15 Foam

- ✓ PT-15® polyurethane foam is excellent for shock absorption of light to medium loads at high frequencies.
- ✓ A cellular Vulkollan® piece is able to be compressed up to 70% of its original height with minimal permanent set, making it well suited for high dynamic loading.
- ✓ This high performance polyurethane foam is MSHA approved and has excellent abrasion and cut resistance.
- ✓ PT-15® foam parts are available in custom molded shapes, as well as polyurethane rod, foam sheet and tube.



Look for Pleiger's Next Recommended Application!