

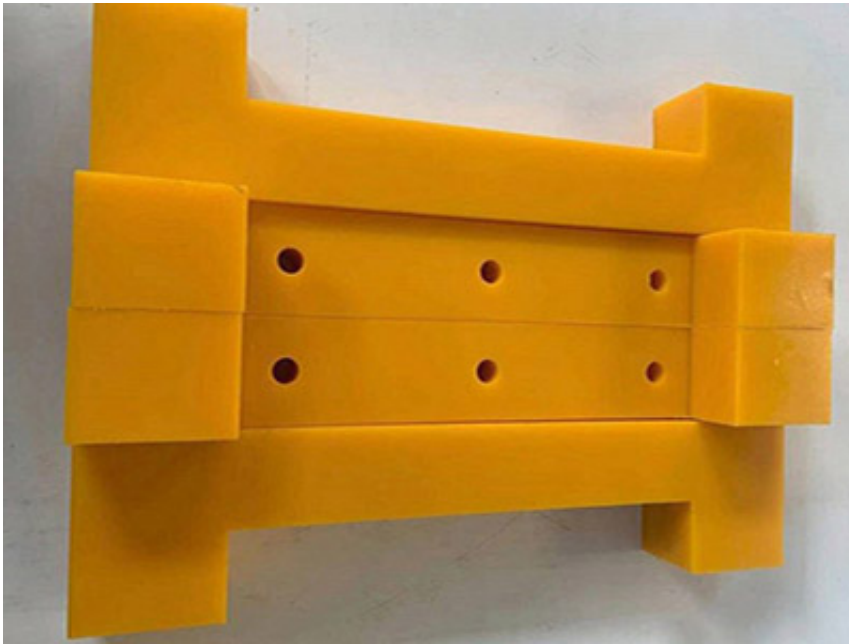
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## Marine PU Bumper Blocks

Title	Marine PU Bumper Blocks
Thumb	
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### Description

Marine PU bumper blocks provide strong impact collision protection for ships, docks, and offshore structures. Made of high-quality polyurethane (PU), these bumpers have excellent flexibility, elasticity, and environmental resistance, making them ideal for harsh marine environmental conditions.



### Features of marine polyurethane bumpers

- **Excellent impact resistance:** The inherent elasticity of polyurethane enables these bumpers to absorb a large amount of impact energy, effectively protecting marine structures and ships from damage during docking and mooring operations.
- **Excellent wear resistance:** Marine bumpers can withstand the constant wear and tear caused by waves, tides, and ship movements, ensuring a long service life even under continuous exposure to harsh marine conditions.
- **Resistance to environmental degradation:** Polyurethane has excellent resistance to salt water, UV radiation and various environmental factors, preventing corrosion and degradation that usually affect other materials in the marine environment.
- **Flexibility under temperature changes:** These bumpers maintain their performance over a wide range of temperatures, remaining flexible in cold conditions and stable at high temperatures, which is critical for different marine climates.
- **Lightweight and strong:** Although marine blocks are strong and durable, they are lighter than traditional materials such as steel, making them easier to handle and install without compromising strength.

### Applications of PU bumpers for marine use

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- Dock and pier protection: These bumpers are installed at commercial docks and ports to absorb the kinetic energy of docked ships to protect pile foundations and dock walls from ship impacts.
  - Marine fenders: PU bumpers are installed on the sides of ships and boats to act as fenders to protect the hull from impacts during mooring and close maneuvers.
  - Offshore platforms: These bumpers are used on offshore drilling platforms, wind turbines, and floating platforms to prevent collisions with supply vessels and equipment, mitigating risks from dynamic ocean forces.
  - Floating piers and marinas: At marinas, PU bumpers are used to cushion the contact between ships and floating docks, preventing damage to ships and docking structures.



Marine PU bumpers are essential in shipyards, locks, and docks, where collision prevention is critical. Filson offers a continuous search for durable, efficient polyurethane materials, ensuring that marine PU bumpers offer a low-maintenance solution. Filson polyurethane bumpers combine strength, flexibility, and environmental resistance to

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meet the rigorous demands of marine applications.