



What material does RBI use for plastic housings?

by Mike Mortensen - Director of Engineering

RBI-USA The material that RBI uses for its plastic housing series is PBT (Polybutylene terephthalate). PBT is very common plastic that can be found in automotive, industrial, and electronic markets. The greatest value that it brings to the bearing industry is that it is resistant to corrosion as well a wide variety of chemicals and solvents. PBT allows our housings to be washed downed with various cleaning solutions as well as exposed to water and moisture.

As an engineering plastic, PBT offers considerable strength and stiffness despite being light weight. This material's good dimensional and thermal stability allow our plastic housings to resist distortion at elevated temperatures. Again, PBT is a viable material option for housings in applications where resistance to corrosion, moisture, and chemicals is a must.

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