

Xaloy® Injection Barrels

Nordson invented bimetallic cylinders more than 85 years ago and continues to lead the way in development of improved alloys and production processes.

Xaloy bimetallic barrels meet the needs for wear and corrosion resistance for all injection molding requirements.

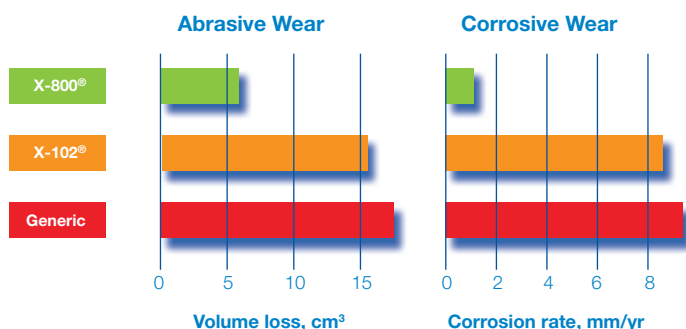
Strong and straight

The structural shell of Xaloy bimetallic barrels consists of a microalloy steel that maintains high strength and straightness after casting of the wear-resistant alloy lining. Unlike some barrel manufacturers, Nordson can produce long barrels – up to 240 in. (6.1 m) – without resorting to butt welding. The benefit to you is a stronger, straighter barrel with no seams to trap polymers that can degrade and contaminate your process.



X-800®: High wear resistance for injection molding

- Composition: Tungsten carbide particles uniformly dispersed in a corrosion-resistant nickel alloy matrix
- Outstanding resistance to both abrasive wear and corrosion
- Essential for molding highly filled abrasive materials such as those containing 25% or more glass fibers or mineral fillers (calcium carbonate etc.) and hard to melt materials such as HMW-HDPE or LLDPE
- Resists corrosive attack by aggressive volatiles released by additives or polymers



X-102®: For general purpose use

- Composition: Nickel-rich iron-boron alloy
- Cost-effective choice for either injection molding or extrusion of unfilled or lightly filled polymers having good thermal stability
- Outlasts generic competitive barrels in comparative testing

X-220™: Higher-chromium iron-boron alloy

- Premium general-purpose barrel
- A step up in resistance to corrosion and abrasive wear

X-306®: For highly corrosive environments

- One of the most corrosion resistant alloys in the industry. A nickel/cobalt base alloy for the most severe corrosive atmospheres.
- Applications include: highly corrosive environments, acidic salts, material with flame retardants, blowing agents, PVDF

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