About chemical resistance

The castors and wheels we make have worked well for many years in many uses and places around the world. However, sometimes you may want to apply them in places more corrosive than the usual residential, commercial or industrial environment. In the table (right), we lay out what can be expected from our castors when exposed to some of the more severe chemicals used.

For castors that are resistant to corrosion or extreme temperatures, see our range of corrosion resistant castors from page 31, and our high and low temperature castors from page 36.

If you are planning to use our castors in severe conditions, our team will be happy to help you choose the right castor for the job.

Chemical resistance rating

	Polyurethane	Nylon	Thermoplastic elastomer	Rubber	Polypropylene	Cast iron	Stainless steel
Sulphuric acid 10%	Good	Good	Good	Poor	Good	Poor	Fair
Hydrochloric acid 10%	Fair	Poor	Fair	Poor	Fair	Poor	Poor
Nitric acid 10%	Poor	Poor	Fair	Poor	Good	Poor	Good
Methyl alcohol	Fair	Good	Good	Fair	Good	Good	Good
Sodium hydroxide 20%	Fair–Poor	Good	Good	Fair	Good	Good	Good
Gasoline 100%	Good	Good	Fair	Poor	Fair	Good	Good
Ethylene glycol	Good	Good	Fair	Poor	Fair	Good	Good
Brake fluid	Fair–Poor	Good	Good	Poor	Good	Good	Good
Salt, including marine environments	Good	Good	Good	Good	Good	Good	Poor
Carbon tetrachloride	Fair	Poor	Good	Poor	Fair	Fair	Good–Fair
Fresh water immersion	Good	Poor	Good	Good	Good	Good	Good
Dry heat 10%	Good	Good	Good	Good	Good	Good	Good
Outdoor weathering	Good	Good	Good	Good	Good	Good	Good