

# Nitta Corporation of America

800-221-3689  
www.nitta.com



## Material Overview

Material	Pluses	Minuses
Polyamide	Elastic, handles shocks Easy to bond	Hygroscopic (affected by moisture)
NBR	Abrasion resistant Oil resistant Good shock damping	Will age on exposure to light
Polyester	Not affected by moisture (non-hygroscopic)	Not elastic (shock loads can cause problems) Not chemically bondable
Teflon	Excellent release High temperature resistance	Medium abrasion resistance Very expensive
Aramid (Kevlar)	Very strong Non-hygroscopic	Not elastic (shock loads can cause problems)
PVC (polyvinyl chloride)	Inexpensive Acid resistant	Low oil resistance Low abrasion resistance
TPU (thermoplastic polyurethane)	Oil resistant Abrasion resistant	Expensive Hydrolysis a problem Yellow on exposure to light
Silicone	Broad temperature range Excellent release properties	Very low abrasion resistance Difficult to bond
EPDM	Excellent temperature range Will not age	Difficult to bond Low oil resistance
Cotton	Good heat insulator Absorbent	No strength-will continue to stretch Will rot and mildew

**For all your belting needs.**