SYSTEMS™ PROTECTION

Lacing Tapes

ABRASION

Product Highlights

- Operating temperature from -55°C to +1100°C (-67°F to +2012°F) (depends on type)
- A-A-52083C*** Finish D (TG Series)
- Boeing Company NASA Systems Spec MBO 135-035 Rev. H Type II (HT Loc B Series)
- NSA8420 (NT-40)
- Anti-fray
- Good knot slip resistance

Lacing Tapes are flat braided textiles used for spot ties, cable-lacing and harnessing applications. The lacing tapes are offered in Teflon®-coated fiberglass (TG series), Nomex® (HT Loc B and HT TVS series) and Nextel® (NT-40).

The TG series consists of Teflon-coated fiberglass, and conforms to Commercial Item Description A-A-52083B Finish D. TG lacing tapes also feature additional knot holding, anti-fray treatments as allowed by paragraph 6.5.

The HT Loc B series are braided Nomex lacing tapes similar to MIL-T-43435 Rev B, but thicker than the values on this specification, allowing a higher break strength. A light treatment of a proprietary resin, having outstanding chemical and thermal stability, adds significantly to the knottability and minimizes end fray. HT-30 Loc B meets Boeing Company NASA Systems Spec MBO 135-035 Rev. H Type II (some offgassing is allowed.)

HT-30 TVS is a space (NASA) qualified Nomex lacing tape where thermal vacuum stability (low off gas) is required. It meets Rockwell Space Division Spec MBO 135-035 Rev. H Type I.

NT-40 is a Nextel braided lacing tape with Teflon coating insuring anti-fray. NT-40 has outstanding heat and flame resistance up to +1100°C.

Teflon and Nomex are registered trademarks of E.I. DuPont de Nemours.

Nextel is a registered trademark of 3M Corporation.

The General Services Administration has authorized the use of this CID as a replacement for Type IV of MIL-T-43435B for all federal agencies.

RoHS COMPLIANT

Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)

Performance Data – Lacing Tapes

Teflon Coated Fiberglass A-A-52083B Finish D (MIL-T-43435B Type IV* Finish D)

Commercial Part Number	Temperature Range	Width mm (in) +/- 10%	Thickness mm (in) +/- .008	Break Strength daN (lbs)	Packaging m (yd)
Lacing Tape TG-20	-55°C to +427°C (-67°F to +801°F)	1.52 (.060”)	0.4 (.016”)	22 (50)	457 (500)
Lacing Tape TG-30		2.16 (.085”)	0.4 (.016”)	33 (75)	457 (500)
Lacing Tape TG-40		2.80 (.110”)	0.4 (.016”)	44 (100)	228 (250)

TG = Natural color

Nomex® Boeing Co. NASA Systems Spec MBO 135-035 Rev. H Type II (HT-30 Loc B only)

Commercial Part Number	Temperature Range	Width mm (in) +/- 0.39	Thickness mm (in) 0.635 max	Break Strength daN (lbs)	Packaging m (yd)
Lacing Tape HT-20 Loc B	-55°C to +260°C (-67°F to +500°F)	1.57 (.062”)	0.48 (.019”)	20 (45)	457 (500)
Lacing Tape HT-30 Loc B		2.29 (.090”)	0.48 (.019”)	35 (80)	228 (250)

HT Loc B = Natural with dark green tracer strand

Nomex® Boeing Co. NASA Systems Spec MBO 135-035 Rev. H Type I

Commercial Part Number	Temperature Range	Width mm (in) +/- 0.39	Thickness mm (in) 0.635 max	Packaging m (yd)
Lacing Tape HT-30 TVS	-55°C to +260°C (-67°F to +500°F)	2.29 (.090”)	0.51 (.020”)	228 (250)

HT 30 TVS = Dark tan

Teflon Coated Nextel NSA8420

Commercial Part Number	Temperature Range	Width mm (in)		Thickness mm (in)		Maximum Mass g/m (lbs/ft)	Packaging m (yd)
		Min Ø	Max Ø	Min Ø	Max Ø		
Lacing Tape NT-40	-55°C to +1100°C (-67°F to +2012°F)	2.4 (0.094”)	3.45 (0.136”)	0.75 (0.030”)	1.35 (0.053”)	3.8 (0.003)	228 (250)

New: NT-40 is Nextel braided lacing tape with Teflon coating insuring anti-fray. NT-40 has outstanding heat and flame resistance up to +1100°C (+2012°F).

NT-40 = Natural color

Part Numbering System

Example	Product Name	Quantity
	Lacing Tape NT-40	228m

*The General Services Administration has authorized the use of Commercial Item Description A-A-52083 as a replacement for Type IV of MIL-T-43435B for all federal agencies.

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