

LSC HITEMPS PARTS

PTFE Technical Materials Guide

Coated fabrics, adhesive tapes, skived / non-adhesive constructions, anti-static and tear-resistant materials, plus Zone Tape references.



PUBLIC TECHNICAL EDITION - PRICES EXCLUDED

Technical values are reference data from the current LSC code sheet and must be confirmed for the specific machine/application at quotation.

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1. Product families

This guide consolidates the PTFE material families currently represented in the LSC technical code sheet. Prices and internal commercial data have been removed.

Coated PTFE fabrics

Best, Standard and Industrial series with nominal thickness, weight, PTFE content and tensile reference.

Tear-resistant series

Reinforced material references including selected anti-static tear-resistant grades.

Black anti-static series

Black anti-static PTFE coated fabric references across multiple thicknesses and widths.

Adhesive PTFE series

Best, Standard, Industrial and Black Anti-Static constructions with backing/total thickness and adhesion reference.

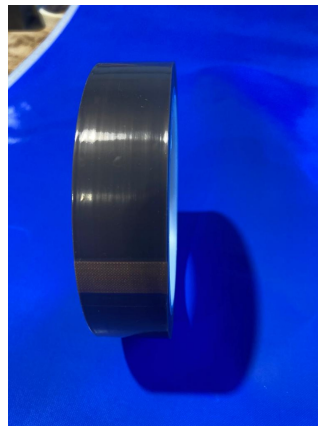
Non-adhesive / skived PTFE

Public reference for non-adhesive technical PTFE; custom widths and formats subject to application review.

Zone Tape

Etched PTFE master constructions intended for localized adhesive / non-adhesive layouts.

Product examples



Selection note

Final selection should be based on machine geometry, operating temperature, required release behavior, adhesive layout, dimensions, and evidence from the current component. Custom slit widths and finished parts are confirmed during technical review.

2. PTFE coated fabric series - non-adhesive

Nominal technical values from the current code sheet. Standard widths are shown exactly as listed.

Best Series

Type	Std. widths (mm)	Thickness (mm)	Weight (g/m2)	PTFE (%)	Tensile (N/5cm)
B.155.08	1000-1250	0.08	155	68	800
B.270.013	1000-1525	0.13	270	60	1200
B.316.015	1000	0.15	316	65	1200
B.530.025	1000-2000-2600-3350	0.25	530	62	2300
B.580.030	1000-2600	0.28	580	66	2300
B.730.040	1000-1500-2000	0.36	730	60	3500

Standard Series

Type	Std. widths (mm)	Thickness (mm)	Weight (g/m2)	PTFE (%)	Tensile (N/5cm)
S.135.08	1000-1250-1530-2000	0.075	135	64	800
S.255.013	1000-1250-1530-2000	0.125	255	58	1200
S.296.015	1000-1525	0.14	296	63	1200
S.490.025	1000-1500	0.24	490	59	2300
S.680.035	1000-1500-2000-2600-3500	0.35	680	57	3500

Industrial Series

Type	Std. widths (mm)	Thickness (mm)	Weight (g/m2)	PTFE (%)	Tensile (N/5cm)
I.08	1000-1250	0.07	107	53	800
I.170.013	1000	0.10	170	37	1200
I.220.013	1000-1250	0.11	220	48	1200
I.235.013	1000-1250-1525-2000	0.115	235	54	1200
I.276.015	1000	0.13	276	60	1200
I.350.022	1000	0.22	350	43	2300
I.455.022	1000-1250-1500	0.22	455	55	2300

3. Reinforced & anti-static PTFE series

Tear Resistant Series

Type	Std. widths (mm)	Thickness (mm)	Weight (g/m2)	PTFE (%)	Tensile (N/5cm)
TR.08	1000	0.075	135	64	800
TR.235.013	1000	0.115	235	54	1200
TR.255.013	1000-1500	0.14	255	57	1500
TR.296.015	1000	0.15	296	63	1500
TR.AS.490.013	1000-1500	0.24	490	59	2800
TR.AS.255.013	1000	0.14	255	57	1800

Black Anti-Static Series

Type	Std. widths (mm)	Thickness (mm)	Weight (g/m2)	PTFE (%)	Tensile (N/5cm)
AS.155.08	1000	0.08	155	68	800
AS.135.08	1000	0.075	135	64	800
AS.220.013	1000	0.11	220	48	1200
AS.235.013	1000	0.115	235	54	1200
AS.255.013	1000-1525-2000	0.125	255	58	1200
AS.296.015	1000	0.14	296	63	1200
AS.470.025	1000-1500	0.23	470	57	2300
AS.490.025	1000-1500	0.24	490	58	2300
AS.520.025	1000-2000-2600	0.25	520	60	2300
AS.680.040	1000-1500-2000-2600-3500	0.35	680	57	2800
AS.730.040	1000-1500-2000	0.36	730	60	2800

4. PTFE adhesive series

Adhesive material references include backing thickness, total thickness, weight and adhesion values where provided in the source sheet.

Best Series Adhesive

Type	Std. widths (mm)	Backing (mm)	Total (mm)	Weight (g/m ²)	Adhesion (N/5cm)
108.08 AD	1000	0.08	0.13	155	22
116.13 AD	1000	0.13	0.185	270	27
116.15 AD	1000	0.15	0.20	316	28
828.25 AD	1000	0.25	0.31	530	30

Standard Series Adhesive

Type	Std. widths (mm)	Backing (mm)	Total (mm)	Weight (g/m ²)	Adhesion (N/5cm)
208.08 AD	1000	0.075	0.125	135	22
216.13 AD	1000-1525	0.125	0.175	255	27
216.15 AD	1000-1525	0.14	0.19	296	28
728.25 AD	1000	0.24	0.30	490	30
141.36 AD	1000	0.35	0.42	680	37.5

PTFE adhesive series - continued

Industrial Series Adhesive

Type	Std. widths (mm)	Backing (mm)	Total (mm)	Weight (g/m2)	Adhesion (N/5cm)
416.13 AD	1000	0.11	0.16	220	27
316.13 AD	1000-1525	0.115	0.165	235	27
316.15 AD	1000	0.13	0.185	276	28
328.25 AD	1000	0.22	0.275	350	30
628.25 AD	1000-1525	0.22	0.28	455	30

Black Anti-Static Series Adhesive

Type	Std. widths (mm)	Backing (mm)	Total (mm)	Weight (g/m2)	Adhesion (N/5cm)
108.08 AS AD	1000	0.08	0.13	155	22
316.13 AS AD	1000	0.115	0.165	235	27
216.13 AS AD	1000	0.125	0.175	255	27
628.25 AS AD	1000-1525	0.23	0.29	455	30

Adhesive PTFE tape production example



5. Master roll references

Public technical reference codes. Commercial prices from the source workbook are intentionally omitted.

PTFE coated glass-fiber with silicone adhesive

Code	Nominal thickness	Width (mm)	Roll length (m)
300.08AD	0.08 mm	1000	25
300.13AD	0.12 mm	1000	25
300.15AD	0.14 mm	1000	25
300.25AD	0.22 mm	1000	25

PTFE coated glass-fiber - non-adhesive

Code	Nominal thickness	Standard widths (mm)	Roll length (m)
200.13	0.125 mm	1000-1250-1525	50

Zone Tape - etched PTFE master constructions

Code	Nominal thickness	Width (mm)	Roll length (m)
300.08ETCHED	0.08 mm	1000	50
300.13ETCHED	0.12 mm	1000	50
300.15ETCHED	0.16 mm	1000	50
300.25ETCHED	0.22 mm	1000	50
300.36ETCHED	0.35 mm	1000	50

Zone Tape examples

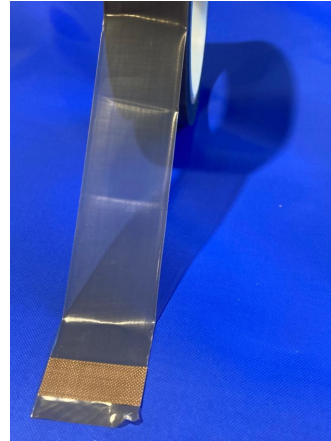
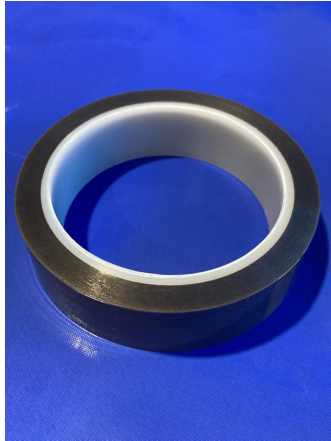


Double-sided adhesive reference

Product	Width (mm)	Roll length (m)
Double-sided adhesive	10	100
Double-sided adhesive	15	100
Double-sided adhesive	20	100
Double-sided adhesive	25	100
Double-sided adhesive	30	100
Double-sided adhesive	35	100

6. Skived PTFE & application review

The current code sheet contains a public non-adhesive PTFE reference and broader coated-fabric series. Skived PTFE formats are therefore presented here as an application family rather than with invented code-level specifications. Exact material, thickness, width and finished format are confirmed from the machine/application.



What to send for a technical RFQ

Machine / tooling reference	Brand, model, jaw or sealing-surface reference when available.
Dimensions	Width, length, thickness and any zone / adhesive layout.
Operating conditions	Temperature, speed, cycle, pressure and release requirement where known.
Current part evidence	Photo, drawing, sample, code or failure description.

7. Distributors & partnership enquiries

LSC works with specialized distributors, service partners and application-focused commercial partners. For territory, application, stock, service or reseller discussions, contact LSC directly.

Partnership / distributor enquiries

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Document note

This public technical guide is derived from the current LSC PTFE code sheet. Prices and internal commercial values are deliberately excluded. Technical availability, tolerances, finished dimensions and application suitability are confirmed during quotation.