NASONS

TECHNICAL DATASHEET

MOLDED PARTS

Mastic Tape

Technical datasheet

Technical Performances

Property	Test Method	Tape SS (Stress Relief)	Tape AT (Anti-Tracking)	Tape BS (Black Sealing)
Density	ASTM D792	1.3 g/cm³	1.2 g/cm³	1.2 g/cm³
Tensile Strength	ASTM D 638	0.1 MPa	0.1 MPa	0.1 MPa
Ultimate Elongation	ASTM D 638	>1000%	>1000%	>1000%
Dielectric Strength	IEC 250	≥10 kV/mm	≥15 kV/mm	≥15 kV/mm
Dielectric Constant	IEC 250	10 – 15	≤3	2 – 3
Volume Resistivity	ASTM D 527	10^{9} – 10^{12} Ω·cm	10^{13} Ω·cm	10^{13} Ω·cm
50Hz Loss Factor (tgδ)		0.035	0.035	0.035
Service Temperature		-20°C to +90°C	-20°C to +90°C	-20°C to +90°C
Adhesive & Self-Amalgamation		Good	Good	Good

Dimensions

Type	Thickness (mm)	Width (mm)	Length (m)
Tape SS	1.6	25	0.5, 1.5, 30
Tape AT	0.8	25	1.5,50
Tape BS	3.0	38	1.5,20

NASONS

NLB

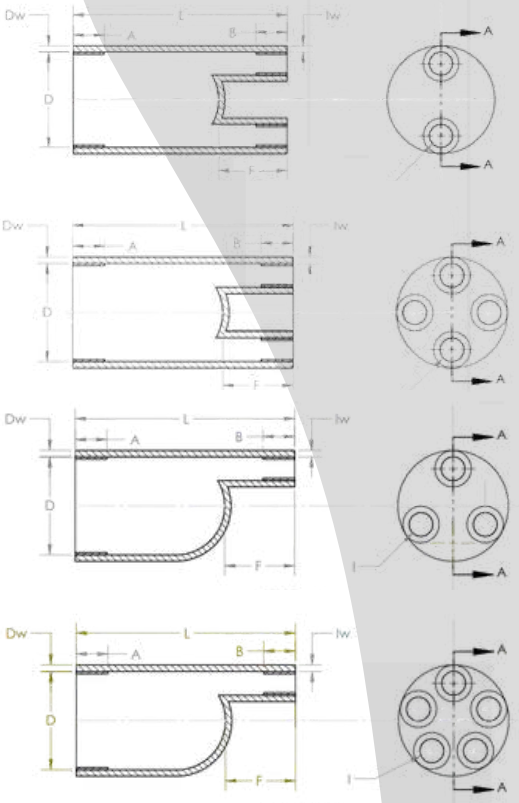
Technical datasheet

Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation	ASTM D 2671	Minimum 200%
Volume Resistivity	IEC 93	Minimum 10^{14} Ω·cm
Dielectric Strength	IEC 60243	Minimum 12 kV/mm (1.0 mm)
Water Absorption	ISO 62	Maximum 0.5%
Heat Shock (225°C, 4 hrs)	ASTM D 2671	No cracking or dripping
Density	ASTM D 792	1.0 – 1.1 g/cm³

Dimensions

Type	Supplied (mm)±10%		D (mm)		I (mm)		Recovered length (mm) ±10%		Recovered wall (mm) ±20%	
(mm)	D*	d*	a* (Min.)	b* (Max.)	a* (Min.)	b* (Max.)	L	F	Dw	Iw
2 Cores cable breakout										
NLB205-22/8	55	16	22	12	11	3.5	60	18	2.2	1.8
NLB210-30/12	80	22	30	14	14	4.5	84	21	2.6	2.4
NLB215-40/16	100	30	40	16	15	5.0	110	30	2.2	2.2
NLB220-60/23	95	21	60	23	25	8.0	105	25	2.4	2.4
NLB230-90/60	165	45	90	60	30	8.0	170	48	3.0	3.0
NLB250-160/ 90	290	170	160	92	50	30	310	160	4.5	4.5
3 Cores cable breakout										
NLB310-38/16	100	35	38	16	15	5	110	30	2.3	2.0
NLB320-60/25	170	40	60	25	26	8	175	45	3.2	2.8
NLB325-70/28	175	45	70	28	32	10	180	45	3.3	3.0
NLB330-80/38	190	50	80	38	34	16	195	55	3.5	3.3
NLB340-110/50	220	55	110	50	46	19	230	60	3.8	3.5
NLB350-125/ 57	230	58	125	57	55	20	240	65	3.7	3.3
NLB360-140/ 70	250	58	140	70	62	26	270	68	3.9	3.6
NLB370-170/ 77	250	55	170	77	75	28	270	68	3.9	3.6
4 Cores cable breakout										
NLB410-40/15	95	23	40	15	12	5.0	100	24	2.2	2.0
NLB420-55/21	145	40	55	21	20	5.5	150	42	2.9	2.7
NLB425-65/26	170	45	65	26	25	7.5	180	50	3.3	3.1
NLB430-75/26	180	45	75	26	28	7.5	190	50	3.3	3.1
NLB440-82/37	170	46	82	37	30	11	180	45	3.3	3.0
NLB445-90/37	170	46	90	37	32	11	180	50	3.3	3.0
NLB450-100/47	180	55	100	47	38	12	190	55	3.9	3.3
NLB460-125/52	215	50	125	52	50	15	240	68	4.0	4.0
NLB470-160/70	240	50	160	70	64	20	270	68	3.8	3.7
5 Cores cable breakout										
NLB510-40/19	90	20	40	19	13	4.5	85	20	2.5	2.2
NLB520-55/24	145	36	55	24	18	5.5	150	40	3.0	2.6
NLB530-80/33	160	46	80	33	26	8	175	50	3.2	3.0
NLB540-100/42	185	52	100	42	35	10	195	55	3.5	3.2



D* = Inner diameter as supplied
d* = Inner diameter after fully recovered
w* = Outer Layer Wall thickness after fully recovered

NSEC

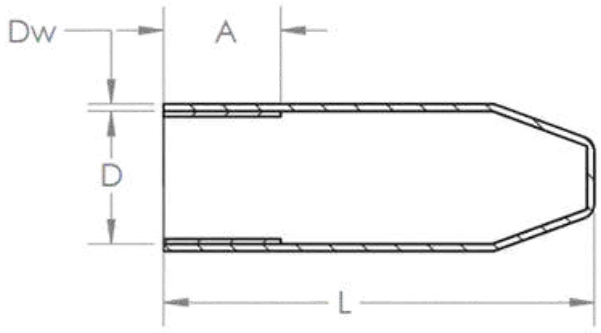
Technical datasheet

Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation	ASTM D 2671	Minimum 200%
Volume Resistivity	IEC 93	Minimum 10^{14} Ω·cm
Dielectric Strength	IEC 60243	Minimum 12 kV/mm (1.0 mm)
Water Absorption	ISO 62	Maximum 0.5%
Heat Shock (225°C, 4 hrs)	ASTM D 2671	No cracking or dripping
Density	ASTM D 792	1.0 – 1.1 g/cm³

Dimensions

Type	Supplied (mm)			Recovered (mm)		
(mm)	L*(±10%)	D*(Min.)	A*(±10%)	d*(Min)	l*(±10%)	D*(Min)
Cable end cap-NSEC						
NSEC 105 12/4	38	12	15	4	40	2.6
NSEC 110 14/5	45	14	18	5	42	2.2
NSEC 115 20/6	65	20	25	6	55	2.5
NSEC 120 25/8.5	75	25	30	8.5	65	2.5
NSEC 130 35/16	92	35	35	16	83	3.3
NSEC 135 40/15	95	40	40	15	75	3.3
NSEC 140 55/26	114	55	50	26	105	3.5
NSEC 150 75/36	132	75	55	36	115	4.2
NSEC 160 100/52	153	100	70	52	130	5.0
NSEC 170 120/60	155	120	70	60	150	5.0
NSEC 180 145/60	160	145	70	60	150	5.0
NSEC 190 160/82	160	160	70	82	133	4.5
NSEC 200 200/90	170	200	70	90	145	4.5



L* = Length of end cap as supplied
D* = Inner diameter as supplied
A* = Length of adhesive after fully recovered
d* = Inner diameter after fully recovered
l* = Length of end cap after fully recovered

NSEC Insulating End Cap Available in both insulating and conductive types, designed for sealing cable ends

NCFT

Technical datasheet

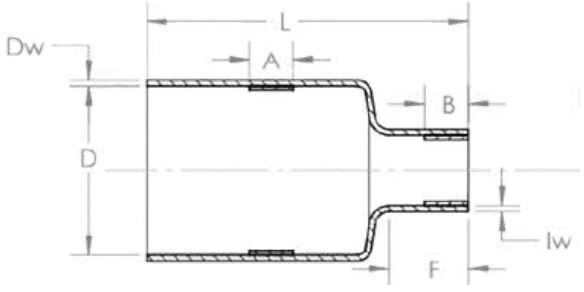
Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation	ASTM D 2671	Minimum 200%
Volume Resistivity	IEC 93	Minimum 10^{14} Ω·cm
Dielectric Strength	IEC 60243	Minimum 12 kV/mm (1.0 mm)
Water Absorption	ISO 62	Maximum 0.5%
Heat Shock (225°C, 4 hrs)	ASTM D 2671	No cracking or dripping
Density	ASTM D 792	1.0 – 1.1 g/cm³

Dimensions

Type	Supplied (mm)±10%		D (mm)		l (mm)		Recovered length (mm)±10%		Recovered wall (mm)±20%	
(mm)	l*	f*	a* (Min.)	b* (Max.)	a* (Min.)	b* (Max.)	L	F	Dw	lw
NCFT 100 (45/15-15/5)	110	45	45	15	15	5	130	45	2.8	2.8
NCFT 110 (85/42-15/5)	110	45	85	42	15	5	130	45	2.8	2.8
NCFT 120 (60/30-45/10)	125	55	60	30	45	10	135	55	2.6	4.4
NCFT 130 (100/52-20/8)	150	55	100	52	20	8	170	65	3.0	3.0
NCFT 135 (150/92-14/5)	130	55	150	92	14	5	150	55	3.5	3.5
NCFT 140 (160/92-60/20)	125	35	160	92	60	20	145	55	3.0	3.2
NCFT 150 (160/92-100/45)	125	35	160	92	100	45	145	55	3.5	3.2

l = The length of L as supplied
f = The length of F as supplied
a* = Inner diameter as supplied
b* = Inner diameter after fully recovered



NCB

Technical datasheet

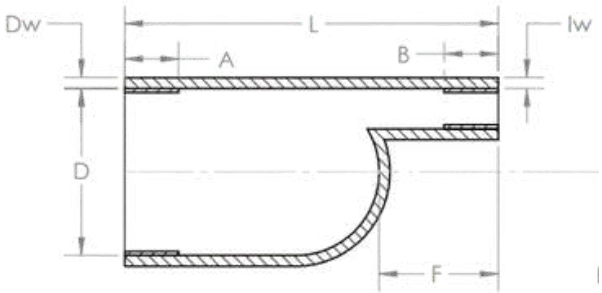
Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation	ASTM D 2671	Minimum 200%
Volume Resistivity	IEC 93	Minimum 10^{14} Ω·cm
Dielectric Strength	IEC 60243	Minimum 12 kV/mm (1.0 mm)
Water Absorption	ISO 62	Maximum 0.5%
Heat Shock (225°C, 4 hrs)	ASTM D 2671	No cracking or dripping
Density	ASTM D 792	1.0 – 1.1 g/cm³

Dimensions

Type	Supplied (mm)±10%		D (mm)		I (mm)		Recovered length (mm)±10%		Recovered wall (mm) ±20%	
(mm)	l*	f*	a* (Min.)	b* (Max.)	a* (Min.)	b* (Max.)	L	F	Dw	Iw
NCB320-60/25	170	40	60	25	26	8	170	40	2.8	2.6
NCB330-80/ 38	210	50	80	38	34	16	215	55	3.5	3.2
NCB340-110/50	210	55	110	50	46	19	230	60	3.5	3.3
NCB350-125/57	220	60	125	57	55	20	240	68	3.5	3.2

l = The length of L as supplied
f = The length of F as supplied
a* = Inner diameter as supplied
b* = Inner diameter after fully recovered



NASONS

NAS
NMB
NMR

Technical datasheet

Technical Performances

Test Item	Test Method	Requirement
Tensile Strength	ASTM D 2671	Minimum 12 MPa
Ultimate Elongation	ASTM D 2671	Minimum 200%
Volume Resistivity	IEC 93	Minimum 10^{14} Ω·cm
Dielectric Strength	IEC 60243	Minimum 10 kV/mm (3 mm)
Water Absorption	ISO 62	Maximum 0.5%
Heat Shock (225°C, 4 hrs)	ASTM D 2671	No cracking or dripping
Density	ASTM D 792	1.1 – 1.3 g/cm³

Dimensions

Anti-tracking rain shed-NAS

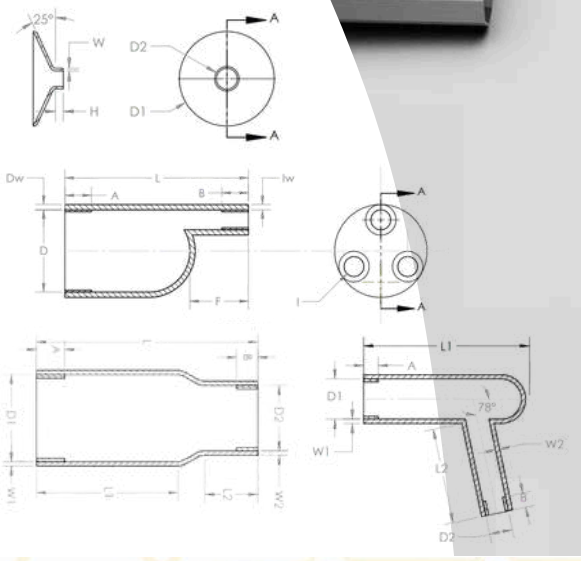
Type	Supplied (mm)		Recovered (mm)			recovered (mm)
(mm)	L*(±10%)	D*(Min.)	H(Min.)	D1(Nom.)	W (±10%)	h(Min.)
NAS 110 35/12	35	12	20	95	3.0	18
NAS 120 48/20	48	20	28	120	3.5	20
NAS 130 60/25	60	25	30	120	3.3	20
NAS 140 60/30	60	30	35	140	3.5	30
NAS 150 75/30	75	30	35	140	3.3	30
NAS 160 100/35	100	35	35	140	3.3	30

Anti-tracking 3 cores breakout-NMB

Type	Supplied (mm) ±10%		D(mm)		I (mm)		Recovered length (mm)±10%		Recovered wall (mm)±20%	
(mm)	l	f	a*(Min.)	b*(Max.)	a*(Min.)	b*(Max.)	L	F	Dw	Iw
NMB320-60/ 25	175	38	60	25	26	8	170	40	3.0	2.5
NMB330-80/38	200	50	80	38	34	16	210	55	3.5	3.3
NMB340-110/50	210	55	110	50	46	19	230	55	3.8	3.5
NMB350-125/57	220	58	125	57	55	20	240	60	3.7	3.3
NMB360-140/70	250	58	140	70	62	26	270	65	3.8	3.6

Anti-tracking right/straight boot-NMR

Type(mm)		As supplied (mm)		recovered(mm)						
		D1 (Min.)	D2 (Min.)	D1 (Max.)	D2 (Max.)	L1 (Nom.)	L2 (±10%)	L (±10%)	W1 (±10%)	W2 (±10%)
Right Angle	NMR110 (80/36-35/18)	80	35	36	18	160	120	/	3.5	3.5
	NMR120 (80/36-50/18)	80	50	36	18	160	120	/	3.5	3.5
	NMR130 (80/36-50/27)	80	50	36	27	145	135	/	3.6	3.3
	NMR140 (95/38-70/28)	95	70	38	28	155	130	/	4.2	4.5
	NMR150 (145/72-68/34)	145	68	72	34	195	145	/	3.8	3.8
Straight	NMR170 (80/35-58/20)	80	58	35	20	145	30	200	3.0	3.0
	NMR180 (140/65-90/33)	140	90	65	33	155	40	320	3.8	3.8



l = The length of L as supplied
f = The length of F as supplied
la* = Inner diameter as supplied
b* = Inner diameter after fully recovered