



- schwer entflammbar
- sehr beständig gegen chemikalische und mechanische Belastungen
- hohe Temperaturbeständigkeit
- dünnwandig

Technische Daten

Beschreibung	BPVDF 175
Material	PVDF (Polyvinylidenfluorid, Kynar®)
Schrumpfrate	2:1
Einsatztemp. Min.	-55°C
Einsatztemp. Max.	+175°C
Schrumpftemperatur Min.	+175°C
Brennbarkeit	schwer entflammbar
Längsschrumpf	+/-5% max.
Zugfestigkeit	>34,5 MPa
Durchschlagsfestigkeit	>31,5 kV/mm
Kleberbeschichtung	nein

Zulassungen / Normen



Farben



070/E340/11/05.2020

TYP	vor Schrumpfung	nach Schrumpfung			
BPVDF 175	Ø (D) min. (mm)	Ø (d) max. (mm)	Wandstärke (w) nom. (mm)	VPE Rolle (Meter)	VPE Längen (Meter)
3/64	1,20	0,60	0,25	400	1,22
1/16	1,60	0,80	0,25	300	1,22
3/32	2,40	1,20	0,27	200	1,22
1/8	3,20	1,60	0,27	150	1,22
3/16	4,80	2,40	0,27	75	1,22
1/4	6,40	3,20	0,33	75	1,22
3/8	9,50	4,80	0,33	75	1,22
1/2	12,70	6,40	0,33	50	1,22
3/4	19,10	9,50	0,45	50	1,22
1	25,40	12,70	0,50	30	1,22
1 1/2	38,10	19,10	0,50	30	1,22

Auf Wunsch bedrucken und schneiden wir diesen Schrumpfschlauch nach Ihren Vorgaben.

www.bit-gmbh.de
info@bit-gmbh.de
+49 (0) 2254 9610 0

BIT Bierther GmbH
Dutzhof Str. 7
D-53913 Swisttal-Heimerzheim

KAG-Identnummer 437296 a
Schrumpfschlauch BPVDF175 d=19,1 L=17 transparent
KV71056, 01.07.22, Ra.
Toleranz +/-0,7

Toleranz hinzu, 01.08.22, Ra.



YDPU2.E196690
Tubing, Extruded Insulating - Component

Page Bottom

Tubing, Extruded Insulating - Component

See General Information for Tubing, Extruded Insulating - Component

BIT BIERTHER GMBH
DUETZHOFF STR. 7
53913 SWISTAL-HEIMERZHEIM, GERMANY

E196690

Cat. No.	Max V rms	Max Oper Temp, °C	Color Recognized	Oil-resistance Class[a]	VW-1 Rated[b]
Not heat shrinkable Polyvinyl Chloride (PVC) tubing					
BIS 105 UL	600	105	Black or Clear	None	Yes
Not heat shrinkable Silicone					
BIS SI UL	600	150	All except clear & black	None	Yes (ID size 6.5-25 mm only)
BIS SI UL (Black)	600	150	BK	None	Yes
Flexible heat shrinkable polyolefin tubing					
BP 125, BP 300, BP 135, BPIMS 300, BPIMS-LF, BPUTW, BP 135 GE/GR, BP 135 VW1					
	600	125	All except clear	None	Yes
BP 125, BP 300, BP 135, BPIMS 300, BPIMS-LF, BPUTW, BP 135 GE/GR, BP 135 VW1, BP 400					
	300	125	All except clear	None	Yes
Flexible heat shrinkable polyolefin tubing with liner					
BPBK	600	125	Black	None	Yes
BPDW 100 %	600	125	All except clear	None	Yes
BPDW 102 %	600	125	All except clear	None	Yes
BPDW 104 %	600	125	All except clear	None	Yes
BPDW HT %	600	125	All except clear	None	Yes
Flexible heat shrinkable modified Fluoropolymer tubing					
BPVDF	600	150	Clear	None	Yes
BPVDF 150	600	150	All including Clear	None	Yes

BPVDF 175	600	150	All including Clear	None	Yes
Not heat shrinkable Polytetrafluoroethylene (PTFE) tubing					
PTFE 150	150	200	All including clear	None	Yes
PTFE 300	300	200	All including clear	None	Yes
PTFE 600	600	200	All including clear	None	Yes

[a] - Tubing is considered to comply with the optional Oil Resistance requirements only if authorized in the above table and marked "Oil Resistant" (or "Oil Res"), followed by the class (01, 02 or 03).

[b] - Tubing is considered to comply with the optional VW-1 flammability requirements only if authorized in the above table and if so marked.

Marking: Company name, catalog designation, inside diameter (before and after recovery for heat-shrinkable tubing), voltage rating, temperature rating in degrees Celsius and date of manufacture (or traceable code) printed on tags attached to both ends of the tubing or printed on the shipping spool label or smallest unit container in which the product is packaged.

Last Updated on 2016-08-17

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[Page Top](#)

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BPVDF 175

Customer Name:		Products Name: BPVDF 175		
Products Range: Series				
Products Type: KYNAR 175°C				
Customer signature	Approve	Re-Check	Check	Charge
	Date	Date	Date	Date

1. Technical Data

Item	Specifications
Specific Gravity	≤1.80
Recovered Shrink Temperature	175°C
Temperature Range	-55°C ~ +175°C
Radial Shrinking Ratio (%)	≥ 50
Longitudinal Shrinking Ratio (%)	≤ 5
Tensile Strength (MPa)	≥34.5
Elongation Ratio (%)	≥150
Heat Shock 4 h at 275°C	- No Cracking -
Cold Bend 4 h at -55°C	- No Cracking -
Aging in circulating-air oven	225 +/- 1.0°C at 7 days
After aging Elongation Ratio (%)	≥ 75
Volume Resistivity (Ω-cm)	≥ 10 ¹³
Dielectric Strength (kV/mm)	≥ 31.5
Concentricity (%)	≥ 70
Flammability Rating	VW-1

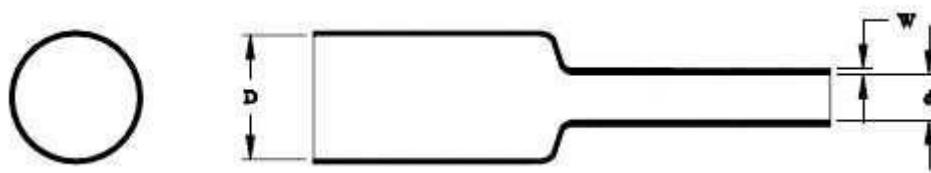
2. Flexible thin wall Kynar - Standard Sizes

Size	Inside Diameter		Recovered Wall Thickness After Heating
	Minimum Expanded as Supplied	Maximum Recovered After Heating	
3/64	1.2 [0.046]	0.6 [0.023]	0.25 ± 0.05 [0.010 ± 0.002]
1/16	1.6 [0.063]	0.8 [0.031]	0.25 ± 0.05 [0.010 ± 0.002]
3/32	2.4 [0.093]	1.2 [0.046]	0.25 ± 0.05 [0.010 ± 0.002]
1/8	3.2 [0.125]	1.6 [0.062]	0.25 ± 0.05 [0.010 ± 0.002]
3/16	4.8 [0.187]	2.4 [0.093]	0.25 ± 0.05 [0.010 ± 0.002]
1/4	6.4 [0.250]	3.2 [0.125]	0.33 ± 0.05 [0.013 ± 0.002]
3/8	9.5 [0.375]	4.8 [0.187]	0.33 ± 0.05 [0.013 ± 0.002]
1/2	12.7 [0.500]	6.4 [0.250]	0.33 ± 0.05 [0.013 ± 0.002]
4/3	19.1 [0.750]	9.5 [0.375]	0.43 ± 0.08 [0.017 ± 0.003]
1	25.4 [1.000]	12.7 [0.500]	0.48 ± 0.08 [0.019 ± 0.003]
1 1/2	38.1 [1.500]	19.1 [0.750]	0.48 ± 0.08 [0.019 ± 0.003]

Remark:

1. Standard Clear, Special Colors available on request
2. Other sizes are available upon special order.

3. Engineering Picture of BVDF 175 Heat-shrinkable Tube



Remark:

1. D (Expanded as Supplied)
2. d (Recovered After Heating)
3. W (Recovered Wall Thickness after Heating)
4. Heat-Shrinkable Tube No Printing
5. Standard Color is Clear
6. Prohibited Burning.

Unit: mm	Date: 2014-04-24	Name:	No.:

Material certificate

Name of raw material	Formula	content	CAS No.
PVDF	$(\text{CH}_2\text{-CF}_2)_n$	100%	24937-79-9