

# BPVDF 175

Schrumpfschlauch aus PVDF



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

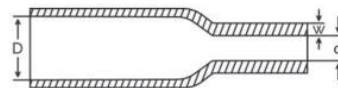
## Technische Daten

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



07D/E340/01/05.2020

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.

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D-53913 Swisttal-Heimerzheim

**KAG-Identnummer 437295**

**Schrumpfschlauch BPVDF175 d=19,1 L=22 transparent**  
(Toleranz: +/-0,7)

Toleranz hinzu, 01.08.22, Ra.

**437295a: Index "a"- Länge 22 war 23; 01.03.24; Buss; KV83390**



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DUEZHOFFER STR. 7  
53913 SWISTAL-HEIMMERZHEIM, GERMANY

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					
BTS 105 UL	600	105	Black or Clear	None	Yes
Not heat shrinkable Silicone					
BTS SI UL	600	150	All except clear & black	None	Yes (ID size 6.5-25 mm only)
BTS SI UL (Black)	600	150	BK	None	Yes
Flexible heat shrinkable polyolefin tubing					
BP 125, BP 300, BP 135, BPIMS 300, BPIMS-LF, BPUW, BP 135 GE/GR, BP 135 VW1	600	125	All except clear	None	Yes
BP 125, BP 300, BP 135, BPIMS 300, BPIMS-LF, BPUW, 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

<b>BPVDF 175</b>	600	150	All including Clear	None	Yes
<b>Most heat shrinkable Polytetrafluoroethylene (PTFE) tubing</b>					
<b>PTFE 150</b>	150	200	All including clear	None	Yes
<b>PTFE 300</b>	300	200	All including clear	None	Yes
<b>PTFE 600</b>	600	200	All including clear	None	Yes

[a] - Tubing is considered to comply with the optional VW-1 flammability requirements only if authorized in the above table and marked "Oil Resistant" (or "Oil Res"), followed by the class (0.1, 0.2 or 0.3).

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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**BPVDF 175**

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

## 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 <sup>13</sup>
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

			
<b>Remark:</b> <ul style="list-style-type: none"><li>1. D (Expanded as Supplied)</li><li>2. d (Recovered After Heating)</li><li>3. W (Recovered Wall Thickness after Heating)</li><li>4. Heat-Shrinkable Tube No Printing</li><li>5. Standard Color is Clear</li><li>6. Prohibited Burning.</li></ul>			
<b>Unit:</b> mm	<b>Date:</b> 2014-04-24	<b>Name :</b>	<b>No.:</b>

### Material certificate

Name of raw material	Formula	content	CAS No.
PVDF	$(CH_2-CF_2)_n$	100%	24937-79-9