



- 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/E34/011/05.2020

TYP	vor Schrumpfung	nach Schrumpfung	Wandstärke (w) nom. (mm)	VPE Rolle (Meter)	VPE Längen (Meter)
BPVDF 175	Ø (D) min. (mm)	Ø (d) max. (mm)			
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
5/16	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.

KAG-Identnummer 437295
Schrumpfschlauch BPVDF175 d=19,1 L=22 transparent
KV71056, 01.07.22, Ra.
(Toleranz: +/-0,7)

Toleranz hinzu, 01.08.22, Ra.

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

Part No.	Max V rms	Max Oper	Temp, °C	Color	Recognized	Offered[3]	Class[3]	VW-T	Rated[6]
Not heat shrinkable Polyvinyl Chloride (PVC) tubing									
B1S 105 UL									
Not heat shrinkable Silicone									
B1S ST UL									
B1S ST UL (Black)									
BP 125, BP 300, BP 135, BPIMS 300, BPIMS-LF, BPUTW, BP 135 GE/GR, BP 135 WWS									
BP 125, BP 300, BP 135, BPIMS 300, BPIMS-LF, BPUTW, BP 135 GE/GR, BP 135 WWS									
Flexible heat shrinkable Polyolefin tubing									
B1S 125									
Flexible heat shrinkable Polyolefin tubing with liner									
B1S 125									
Flexible heat shrinkable modified Fluoropolymer tubing									
BPPDF									
BPPDF 150									

53913 SWITZERLAND-HEIMERZHEIM, GERMANY
DEUTSCHER TÜV
DKEE General Test Laboratory, Extruded Insulating - Component

Tubing, Extruded Insulating - Component

Page Bottom

Tubing, Extruded Insulating - Component
YDPU2.E196690



ONLINE CERTIFICATIONS DIRECTORY

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Last Updated on 2016-08-17					
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BPPD 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

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	$-55^{\circ}\text{C} \sim +175^{\circ}\text{C}$
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	$225 \pm 1.0^{\circ}\text{C}$ at 7 days
After aging	≥ 75
Volume Resistivity ($\Omega\text{-cm}$)	$\geq 10^{13}$
Dielectric Strength (kV/mm)	≥ 31.5
Concentricity (%)	≥ 70
Flammability Rating	VW-1

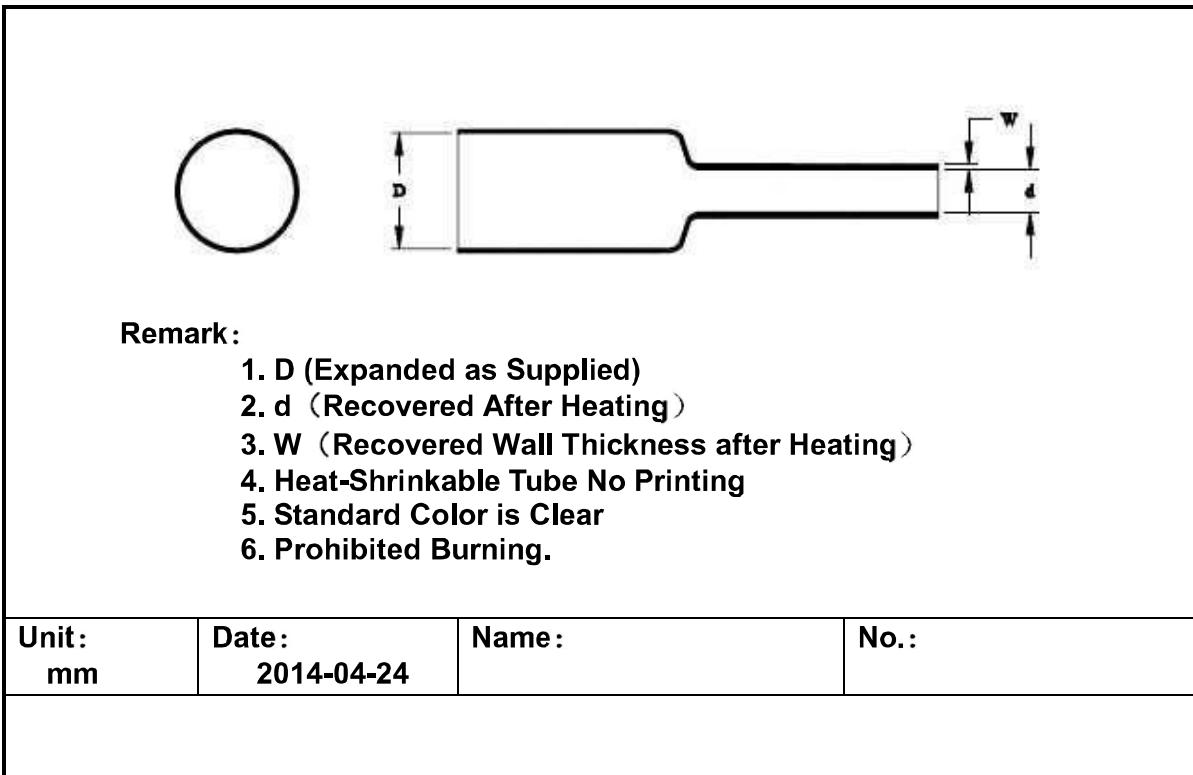
2. Flexible thin wall Kynar - Standard Sizes

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]	$0.25 \pm 0.05 [0.010 \pm 0.002]$
1/16	1.6 [0.063]	0.8 [0.031]	$0.25 \pm 0.05 [0.010 \pm 0.002]$
3/32	2.4 [0.093]	1.2 [0.046]	$0.25 \pm 0.05 [0.010 \pm 0.002]$
1/8	3.2 [0.125]	1.6 [0.062]	$0.25 \pm 0.05 [0.010 \pm 0.002]$
3/16	4.8 [0.187]	2.4 [0.093]	$0.25 \pm 0.05 [0.010 \pm 0.002]$
1/4	6.4 [0.250]	3.2 [0.125]	$0.33 \pm 0.05 [0.013 \pm 0.002]$
3/8	9.5 [0.375]	4.8 [0.187]	$0.33 \pm 0.05 [0.013 \pm 0.002]$
1/2	12.7 [0.500]	6.4 [0.250]	$0.33 \pm 0.05 [0.013 \pm 0.002]$
4/3	19.1 [0.750]	9.5 [0.375]	$0.43 \pm 0.08 [0.017 \pm 0.003]$
1	25.4 [1.000]	12.7 [0.500]	$0.48 \pm 0.08 [0.019 \pm 0.003]$
1 1/2	38.1 [1.500]	19.1 [0.750]	$0.48 \pm 0.08 [0.019 \pm 0.003]$

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



Material certificate

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