



SEMI RIGID SUPER CLEAR HIGHLY FLAME RETARDANT

IRRADIATED POLYVINYLIDENE FLUORIDE

SHRINK RATIO 2:1 AMS-DTL-23053/8C FLAME RETARDANT RoHS

KYN-175S has three times the tensile strength of standard polyolefin. Irradiated PVDF is an extremely tough semi-rigid, fluid resistant, anti-corrosive thin wall heat shrinkable tube. This non-burning tube is ideal for transparent applications, where flame retardency is required.

Gamma's S material represents a super clear or premium version of our KYN-175.

KYN-175S Applications

Designed for Strain Relief Resisting Temperatures up to 175°C

Wire & Cable Harnessing, Bundling, & Protection from Chemicals and Tough Mechanical Abrasion

Cable & Connector Protection

Spools Used in Automatic Cutting Machines

Characteristics

Operating Temperature: -55° to 175° Celsius

Shrink Temperature: 175°

Flame Retardant UL Standard 224, VW-1 Flame Test

Shrink Ratio: 2:1

Environmentally Friendly

Colors: 3/64" to 1" Available in 4 FT Clear Lengths Available

Specifications

Gamma	Minimum Expanded ID		Maximum Recovered ID		Recovered Wall Thickness	
Part No.	ID as Supplied		ID After Heating		After Heating	
W/ Size	Mm	Inch	Mm	Inch	Mm	Inch
KYN-175S-3/64	1.2	0.046	0.6	0.023	0.2	0.0079
KYN-175S-1/16	1.6	0.063	0.8	0.031	0.2	0.0079
KYN-175S-3/32	2.4	0.093	1.2	0.046	0.23	0.0091
KYN-175S-1/8	3.2	0.125	1.6	0.062	0.23	0.0091
KYN-175S-3/16	4.8	0.187	2.4	0.093	0.23	0.0091
KYN-175S-1/4	6.4	0.25	3.2	0.125	0.28	0.011
KYN-175S-3/8	9.5	0.375	4.8	0.187	0.28	0.011
KYN-175S-1/2	12.7	0.5	6.4	0.25	0.28	0.011
KYN-175S-3/4	19.1	0.75	9.5	0.375	0.36	0.0142
KYN-175S-1	25.4	1	12.7	0.5	0.41	0.0161

Properties

Property	Test Method	Standard
Operating Temperature	IEC 216	55C to 150C
Tensile Strength	ASTM D2671	> 34.5 MPa
Elongation at Break	ASTM D2671	> 150%
Elongation after aging	250°C, 168 hrs	> 50%
Heat Shock	300°C, 1 hrs	No Cracking
Cold Bend	-55°C, 4hrs	No Cracking
Dielectric Strength	ASTM D 2671	> 30kv / mm
Volume Resistance	ASTM D 876	Min 10 ¹³ Ω.cm
Flammability	VW-1	Pass

Ordering Information

Colors: Clear

Part No. Example: KYNS-175-1/2-X = Super Clear ½” Kynar Tubing

Color Code: 0=BLK, 1=BRN, 2=RED, 3=ORN, 4=YLW, 5=GRN, 6=BLU, 7=VIO, 8=GRY, 9=WHT, X=CLR

P/N Example: KYN-175-1/4-X = Clear ¼” Tubing

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