



AS-1 & AS-2

Acrylic Saturated Fiberglass Sleeving



Product Description

Grayline AS-1 & AS-2 fiberglass is made from tightly woven, flexible, continuous filament E glass braid. It has been heat-treated to remove all organic contaminants and to set the glass braid. It is then saturated with acrylic resin to give the sleeving excellent end-fray resistance. This expandable and flexible fiberglass can be used in high temperature, low voltage applications such as toasters, coffee makers, carbon brushes, irons, and other small heating appliances.

Although the acrylic resin degrades at operating temperatures above 200°C, the fiberglass sleeving continues to provide thermal and space factor insulation as high as 650°C.

Standard Packaging: Reels or Cut to Customer Specifications.

Standard Color: Clear (off-white to tan), Black, Red, Yellow

Special Sizes and Colors Available Upon Request

Specifications

- NEMA TF-2, Type 3 (AS-1)
- NEMA TF-2, Type 4 (AS-2)
- UL VW-1
- EU Directive 2011/65/EU(RoHS2)
- EU Directive 2015/863 (RoHS3)

Features

- Thermal Class "C": 240°C
- Non-Flammable
- Resistant to moisture, fungus, and chemicals

Dielectric Grade	Min. Avg. Breakdown, V	Min. Individual Breakdown, V
C-3	Space factor only. No dielectric value guaranteed	

NEMA Size	Max. ID (inch)	Min. ID (inch)	Min. Wall (inch)	
			AS-1	AS-2
24	0.027	0.020	0.005	0.028
22	0.032	0.025	0.005	0.028
20	0.039	0.032	0.009	0.028
19	0.044	0.036	0.009	0.028
18	0.049	0.040	0.011	0.028
17	0.054	0.045	0.011	0.028
16	0.061	0.051	0.011	0.028
15	0.067	0.057	0.011	0.028
14	0.074	0.064	0.011	0.028
13	0.082	0.072	0.011	0.028
12	0.091	0.081	0.011	0.028
11	0.101	0.091	0.011	0.028
10	0.112	0.102	0.011	0.028
9	0.124	0.114	0.011	0.028
8	0.141	0.129	0.011	0.028

NEMA Size	Max. ID (inch)	Min. ID (inch)	Min. Wall (inch)	
			AS-1	AS-2
7	0.158	0.144	0.013	0.028
6	0.178	0.0162	0.013	0.028
5	0.198	0.182	0.013	0.028
4	0.224	0.204	0.016	0.028
3	0.249	0.229	0.016	0.028
2	0.278	0.258	0.016	0.028
1	0.311	0.289	0.016	0.028
0	0.347	0.325	0.016	0.028
3/8"	0.399	0.375	0.016	0.028
7/16"	0.462	0.438	0.018	0.028
1/2"	0.524	0.500	0.018	0.028
5/8"	0.655	0.625	0.018	0.028
3/4"	0.786	0.750	0.018	0.028
7/8"	0.911	0.875	0.018	0.028
1"	1.036	1.000	0.018	0.028

AS sleeving is also available with a softer, more flexible acrylic resin for use where greater flexibility is required. This sleeving is designated as AS-1 SFT or AS-2 SFT.

The values listed in this bulletin, to the best of our knowledge, are accurate. They are typical performance results and are not intended to be used as design data. We disclaim all liability in connection with the use of information contained herein or otherwise.