



GLASTAC BRAID HI-TEMP SLEEVES

240C Braid Hi-Temp Sleeves are a tightly woven, flexible, continuous filament electrical grade 100% fiberglass braid heat treated to remove all organic contaminants and to set the glass braid for end-fray resistance. Resistant to moisture, fungus and chemical attack.

240C is the most economical choice for thermal insulation in applications where temperatures run as high as 650°C. E-Glass provides abrasion resistance with high flexibility.

240C products are made in standard wall or heavy wall constructions: (.032" wall - 0.81mm).

240C is used in high temperature, low voltage applications and wherever severe, repeated flexing or temperature extremes prohibit the use of other materials. Its expandability and flexibility enables it to slip over irregular shapes and electrical connections to provide effective thermal, mechanical and electrical protection.

Features:

- High Temperature Applications
- High Flexibility/ Expandability
- Excellent Resistance to Moisture
- Use Over Irregular Shapes
- Thermal Protection
- High Degree of Saturability
- High Tensile Strength
- Non-Flammable
- Non-Corrosive to Metals
- Approvals: Ford (via Tier-1)

Characteristics & Properties

- Colors: natural (silver-gray) only
- Specifications: UL VW-1 recognized insulation (File#E80713); ASTM D350/372; MIL-Y-1140H; NEMA TF-2
- Insulation Class: C class rated at 240°C (464°F)

Physical properties	Value
Operating temperature range	-59°C / 648°C (-74°F / 1198°F)
Dielectric breakdown	grade C-3 insulation (no dielectric value guaranteed)
Volume resistivity	10 ¹⁴ ohm-cm @ 72°F (22°C) and 500 Volts DC
Cut-through resistance	excellent
Oil resistance	no swelling or disintegration
Fungus resistance	inert (requires no fungicide additives)
Rate of burning	meets UL VW-1 flammability rating

TYPICAL APPLICATIONS INCLUDE: insulation of leads in carbon brushes, toasters, irons, coffee makers and other small heating appliances; coil insulation on rotating equipment; thermal and mechanical protection of insulated wires and sensor leads in consumer, commercial, and industrial appliances and lighting fixtures, outer coverings for resin impregnated circuitry; double insulation for high reliability circuitry.

AMERICAN STANDARD SIZES					
Designation (standard wall)*	AS Sizes	Nominal Ø		Minimum Ø (inches)	Maximum Ø (inches)
		(inches)	(mm)		
7S098A	1/8"	0.135	3.43	0.129	0.141
7S099A	1/4"	0.263	6.68	0.258	0.278
7S080A	5/16"	0.313	7.95	0.313	0.334
7S100A	3/8"	0.387	9.83	0.375	0.399
7S081A	7/16"	0.450	11.43	0.438	0.462
7S113A	1/2"	0.512	13.00	0.500	0.524
7S179A	5/8"	0.640	16.26	0.625	0.655
7S119A	3/4"	0.768	19.51	0.750	0.786
7S082A	7/8"	0.893	22.68	0.875	0.991
7S106A	1"	1.018	25.86	1.000	1.036
7S134A	1 1/8"	1.143	29.03	1.125	1.161
7S117A	1 1/2"	1.518	38.55	1.500	1.536
7S129A	1 3/4"	1.768	44.90	1.750	1.786
7S120A	2"	2.018	51.25	2.000	2.036
7S127A	2 1/2"	2.518	63.95	2.500	2.536
7S300A	3"	3.018	76.65	3.000	3.036
7S140A	4"	4.019	102.08	4.000	4.038

NEMA SIZES					
Designation (standard wall)*	NEMA sizes	Nominal Ø		Minimum Ø (inches)	Maximum Ø (inches)
		(inches)	(mm)		
7S500A	24	0.024	0.61	0.020	0.027
7S501A	22	0.029	0.74	0.025	0.032
7S502A	20	0.036	0.91	0.032	0.039
7S503A	19	0.038	0.96	0.036	0.044
7S504A	18	0.044	1.12	0.040	0.049
7S505A	17	0.049	1.24	0.045	0.054
7S506A	16	0.056	1.42	0.051	0.061
7S507A	15	0.062	1.57	0.057	0.067
7S508A	14	0.069	1.75	0.064	0.074
7S509A	13	0.077	1.96	0.072	0.082
7S510A	12	0.086	2.18	0.081	0.091
7S511A	11	0.096	2.44	0.091	0.101
7S512A	10	0.107	2.72	0.102	0.112
7S513A	9	0.119	3.02	0.114	0.124
7S098A	8	0.135	3.43	0.129	0.141
7S515A	7	0.148	3.76	0.144	0.158
7S516A	6	0.166	4.22	0.162	0.178
7S517A	5	0.186	4.72	0.182	0.198
7S518A	4	0.208	5.28	0.204	0.224
7S519A	3	0.234	5.94	0.229	0.249
7S099A	2	0.263	6.68	0.258	0.278
7S521A	1	0.294	7.47	0.289	0.311
7S522A	0	0.330	8.38	0.325	0.347

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