

Product Highlights

- Resists thermal convective soak of +300°C (+572°F)
- Superior flame protection during exposure to +1000°C (+1832°F) x 10 minutes
- Excellent thermal resistance
- Up to 6kV dielectric strength
- Flame suppression & endurance
- EV thermal runaway protection
- Expandable design for custom fit
- Flexible, lightweight & low profile
- Reduced end fray
- Water tight and fluid resistant

Typical Applications

- Hose & Tubing Applications
- Cable Assemblies
- Wire Harnesses
- Busbars
- EV Battery Space



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)



Textalu® 1202 is a fiberglass braided textile with an innovative silicone outer coating designed to provide dielectric protection, flame suppression and thermal resistance in extreme environments.

With broad performance capability, Textalu 1202 can be used for traditional high temperature thermal and dielectric insulation for wiring, fluid lines and cable assemblies as well as to protect busbars and other neighboring components from thermal runaway (extreme temperature & flame) associated with electric vehicle battery cell failure.

Textalu 1202 utilizes an advanced compounded silicone to deliver dielectric strength, reduced thermal emissivity, and flame suppression. Additionally, the coating improves installation, fray resistance and creates a fluid barrier.



Typical busbar application for electric vehicles. Note superior flexibility and expandability for optimized fit and easy installation.

Performance Data – Textalu® 1202

Property	Test Method	Result
Thermal Soak	240 hours at +260°C (235°C rating) 6 hours at +300°C	Pass +235°C (+455°F) No visible degradation or loss of flexibility - Shrinkage < 10%
Low Temperature Flexibility	SAE J2192	Pass -50°C (-58°F)
Flammability	FMVSS 302 D45 1333	Pass Self extinguishing Type B
Dielectric	QI-MCQ-21	3-6kV based on sizes below
Thermal Runaway	SP Internal Test Method	Resists 10min x +1000°C Flame
Fluid Resistance	D47 1924	No visible degradation or alteration after being exposed to the following test cycles: <ul style="list-style-type: none"> Immersion for 15s at 23°C, followed by a drying period of: <ul style="list-style-type: none"> 24h at 150°C: motor oil, automatic transmission fluid, manual transmission oil. 24h at 23°C: zinc chloride, brake fluid. Immersion for 48h at 70°C, followed by a drying period of: <ul style="list-style-type: none"> 24h at 23°C: Urea of clean up Ad blue. Immersion for 24h: <ul style="list-style-type: none"> At 40°C, followed by a drying period of 4h at 23°C: for gazole, unloaded petrol 98, Std fuel C + 15% methanol, E85 bio ethanol. At 70°C, followed by a drying period of 4h at 23°C, for windscreen washer. At 118°C, by a drying period of 4h at 23°C, for engine coolant.

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

Construction and Typical Product Characteristics

Inner Layer:	Fiberglass
Outer Layer:	Advanced silicone coating

Standard Sizes

Nominal diameter (mm)	Recommended Application Range (mm)	
	Min Ø	Max Ø
5	5	7
7	7	8
8	8	9
9	9	11
10	10	12
12	12	15
15	15	18
17	17	21
18	18	22
20	20	26
22	22	28
24	24	32
28	28	40

Availability

Standard sizes are listed here. Additional sizes could be available upon request.

Available in spools and custom cut lengths. Recommended cut lengths are in 5mm increments. Please see regional drawings for cut length tolerances.

Standard color is grey. Additional colors may be available.

Please consult your local sales representative for regional packaging details and standards.



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