



ABRASION/MECHANICAL

ShrinkGard™ 2800

Product Highlights

- Operating temperature range:
 - 40°C to +150°C (240hrs)
 - 40°C to +125°C (3000hrs)
- Excellent abrasion resistance
- Heat shrinkable
- Highly flexible
- Conforms to component
- Lightweight
- Up to 60% shrinkage
- Soft construction

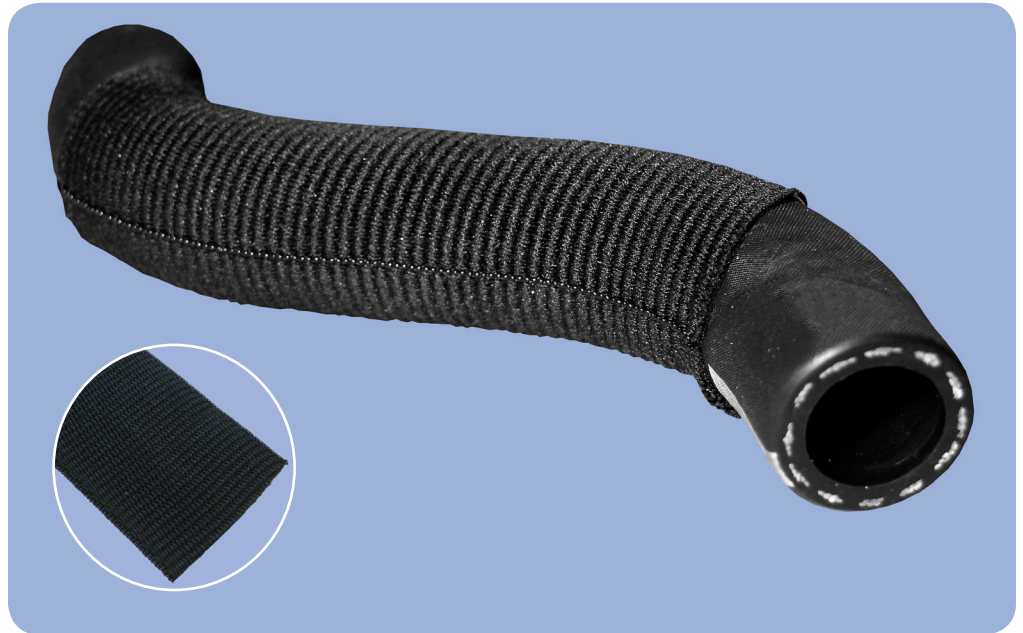
Typical Applications

- Rubber hoses
- Tubing



Our manufacturing sites are certified ISO 9001, ISO/TS 16949, or AS/EN 9100, and ISO 14001

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ShrinkGard™ 2800 is a highly flexible, woven sleeve constructed of polyester and polyethylene that provides superior abrasion resistance for rubber hoses and tubing applications. The product offers a shrinkage up to 60% which allows ShrinkGard 2800 to accommodate a variety of diameters and sizes. The soft construction of ShrinkGard 2800 is ideal when handling the product during installation.

The heat-shrinkable design firmly grips to the component with a minimum shrink temperature of +80°C (+176°F) and a minimum full recovery temperature of +110°C (+230°F).

A treatment made on ShrinkGard 2800 keeps the ends of the sleeve stable after shrinkage.

ShrinkGard 2800 can easily be cut with standard industrial cutting equipment and is used primarily in the automotive industry to protect rubber hoses.

BentleyHarris®
Protection Products

Performance Data – ShrinkGard™ 2800

Property	Test Method	Result
Temperature Rating	ISO 6722-1 & D45 1234	Pass 240 hrs at +150°C (+302°F) Pass 3000 hrs at +125°C (+257°F)
Minimum Full Recovery Temperature		+110°C (+230°F)
Abrasion Resistance	D44 1959, TL 52 668, STL 21 51 01	Pass
Impulse Test	TL 52 668	Pass
Flammability	FMVSS302	Pass
Low Temperature Flexibility	TL 52 668	Pass
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"> - 24hrs at +150°C: motor oil, automatic transmission fluid, manual transmission oil. - 24hrs at +23°C: zinc chloride, brake fluid. • Immersion for 48hrs at +70°C, followed by a drying period of: <ul style="list-style-type: none"> - 24hrs 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 4hrs 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 4hrs at +23°C for windscreen washer. - At +118°C followed by a drying period of 4hrs 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

Warp Yarn: Polyester (PET) multifilament
Fill Yarn: Polyethylene (PE) monofilament

Availability

ShrinkGard™ 2800 is available in a range of sizes and cut to your specification. Standard color is black. Please contact your sales representative for availability.

Standard Sizes

Product	Size of the Sleeve Before Shrinkage (mm)	Ideal Size After Shrinkage (mm)	Recommended Application Range After Shrinkage	
			Minimum (mm)	Maximum (mm)
ShrinkGard 2800 12	12	6	5	8
ShrinkGard 2800 20	20	10	9	11
ShrinkGard 2800 25	25	12	11	14
ShrinkGard 2800 30	30	15	14	17
ShrinkGard 2800 34	34	17	15	19
ShrinkGard 2800 40	40	20	18	22
ShrinkGard 2800 50	50	25	22	28
ShrinkGard 2800 60	60	30	27	33
ShrinkGard 2800 70	70	35	31	39
ShrinkGard 2800 80	80	40	36	44
ShrinkGard 2800 100	100	50	40	65
ShrinkGard 2800 120	115	58	50	75



USA: (1) 800 926 2472
Europe: (33) 3 44 39 06 06
Japan: (81) 45 479 0201
China: (86) 21 6182 7688

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