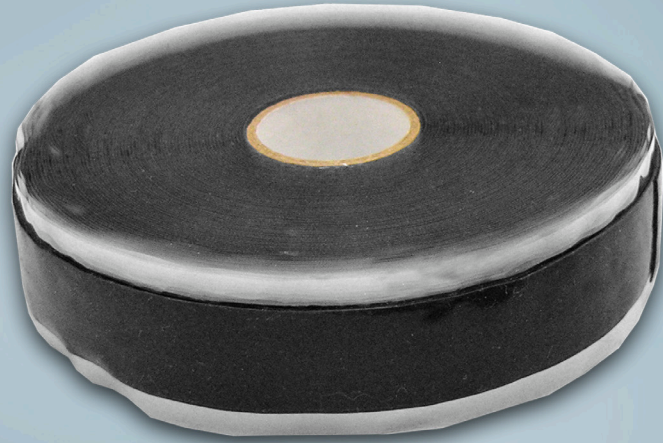


## Product Highlights

- Operating temperature from -51°C to +200°C (-65°F to +400°F)
- Good fluid resistance
- EN45545-2 R22 HL2 R23 HL2
- UL94V0 flammability rated
- Easy to install
- Aesthetic solution
- Self-amalgamating
- Local protection
- Up to 15 kV dielectric strength
- Shelf life: Two years after date of manufacture



Systems Protection offers a range of silicone elastomer tapes, which self-amalgamate at ambient temperature.

Silicone Tape 77FR is specifically manufactured to offer more flame resistance.

The elongation of Silicone Tape 77FR ranges from 300 to 500%.

After several hours at ambient temperature, the surface of these tapes sticks together when light pressure is added.

These tapes are used for sealing, connecting and finishing the cut ends of sleeves exposed to high temperature. These products can also be used to provide local protection to connection accessories and other wire harness components.



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

# Performance Data – Silicone Tape 77FR

Property	Test Method	Result
<b>Working temperature</b>		-51°C to +200°C (-65°F to +400°F)
<b>Elongation at break</b>		300%
<b>Fluid Resistance</b> Jet Fuel (JP5) Hydraulic Fluid (Skydrol 500B4) Mineral Oil (NATO 0142) Synthetic Oil (NATO 0156) Cleaning Fluids – MIL C 87836 – 25% Propanol + 75% white spirit – Foran 141 B Cooling Fluid (MIL-A-8243)	Immersion in the fluids for a few seconds of the silicone tape amalgamated on its support (harness)	
<b>Flammability / Smoke Density / Toxicity</b>	EN45545-2	R22 HL2 R23 HL2
<b>Dielectric strength</b>	EN6059-501 – Breakdown voltage method applied	<b>On tape 77FR stretched at 50%:</b> 10 kV from 25 to 50% overlap 15 kV from 75 to 100% overlap

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

## Product Specifications

Commercial Part Number	Thickness mm (in)	Width mm (in)	Color	Includes Glass Tape Substrate	Standard Packaging m (ft)	Rolls per Box
Silicone Tape 77FR	0.5 (0.020")	25 (1")	Black	No	15 (50')	15

## Recommendation Time for Perfect Amalgamate

Temperature (°C)	150	127	120
Time in Minutes	35	80	120

## Storage

Tapes should be stored in original boxes, in a cool, dark location, not in close proximity to steam pipes, radiators or other sources of heat, at a temperature no greater than 37°C (98°F).

## Part Numbering System

Example	Product Name	Size	Color	Quantity
	Silicone Tape 77FR	25 x 0.5	Standard	15 rolls



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 EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560  
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