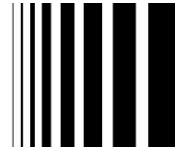


3M™ PTFE Extruded Film Tape 5490 is part of a larger family



Home



Thicker

(more durable – up to 0.17mm)
5491, 5481



Non Silicone

(rubber adhesive)

5498



More Conformable

(Skived)

5480, 5481

Lead PTFE Product



3M PTFE Tape 5490

- Color Gray
- Adhesion to steel 29 N/ 100mm
- Tensile strength 385 N/ 100mm
- Elongation 150%
- Thickness 0.09mm
- Adhesive Silicone
- Temperature -65F to 500F (-54C to 260C)



Extreme durability

(glass cloth scrim resists abrasion, puncture,
continuous high temperature of 500F (260C))

5451, 5151, 5453, 5153

Black = Premium
Green = General Purpose

Fine tuning: Choosing among PTFE solutions

TDS data as of August 9, 2016

Lead Product

★ Meets many industry and customer specifications

Product	Construction	Process	Color	Data Sheet	Why choose vs other products in the family?	Properties		Tensile strength (N / 100mm)	Liner	Elongation at break (%)	Temperature range (°C)
						Tape thickness (mm)	Adhesion to steel (N / 100mm)				
5490★	PTFE/Silicone	Extruded	Gray		Thin, lies flat , elongation	0.09	29	385	N/A	150%	-54C to 260C
5491★	PTFE/Silicone	Extruded	Gray		Longer wear than 5490	0.17	38	700	N/A	200%	-54C to 260C
5480★	PTFE/Silicone	Skived	Gray		Thin, > tensile than 5490	0.09	22	473	N/A	140%	-54C to 260C
5481★	PTFE/Silicone	Skived	Gray		Conformability, tensile	0.17	35	858	N/A	335%	-54C to 260C
5498★	PTFE/ Rubber	Extruded	Brown		Non-silicone , adhesion	0.10	53	332	N/A	105%	4 to 149C
5451★	PTFE/ GC /Silicone		Brown		Excellent wear, cut resistance	0.14	31	1760	N/A	N/A	-73C to 260C
5453★	PTFE/ GC /Silicone		Brown		Longer wear than 5451	0.21	56	3065	N/A	N/A	-73C to 260C
5151	PTFE/ GC /Silicone		Brown		Economical GC PTFE	0.13	36	1925	UVPC Available	N/A	-73C to 260C
5153	PTFE/ GC /Silicone		Brown		Longer wear than 5151	0.20	47	5075	UVPC Available	N/A	-73C to 260C

Mouser Electronics

Authorized Distributor

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