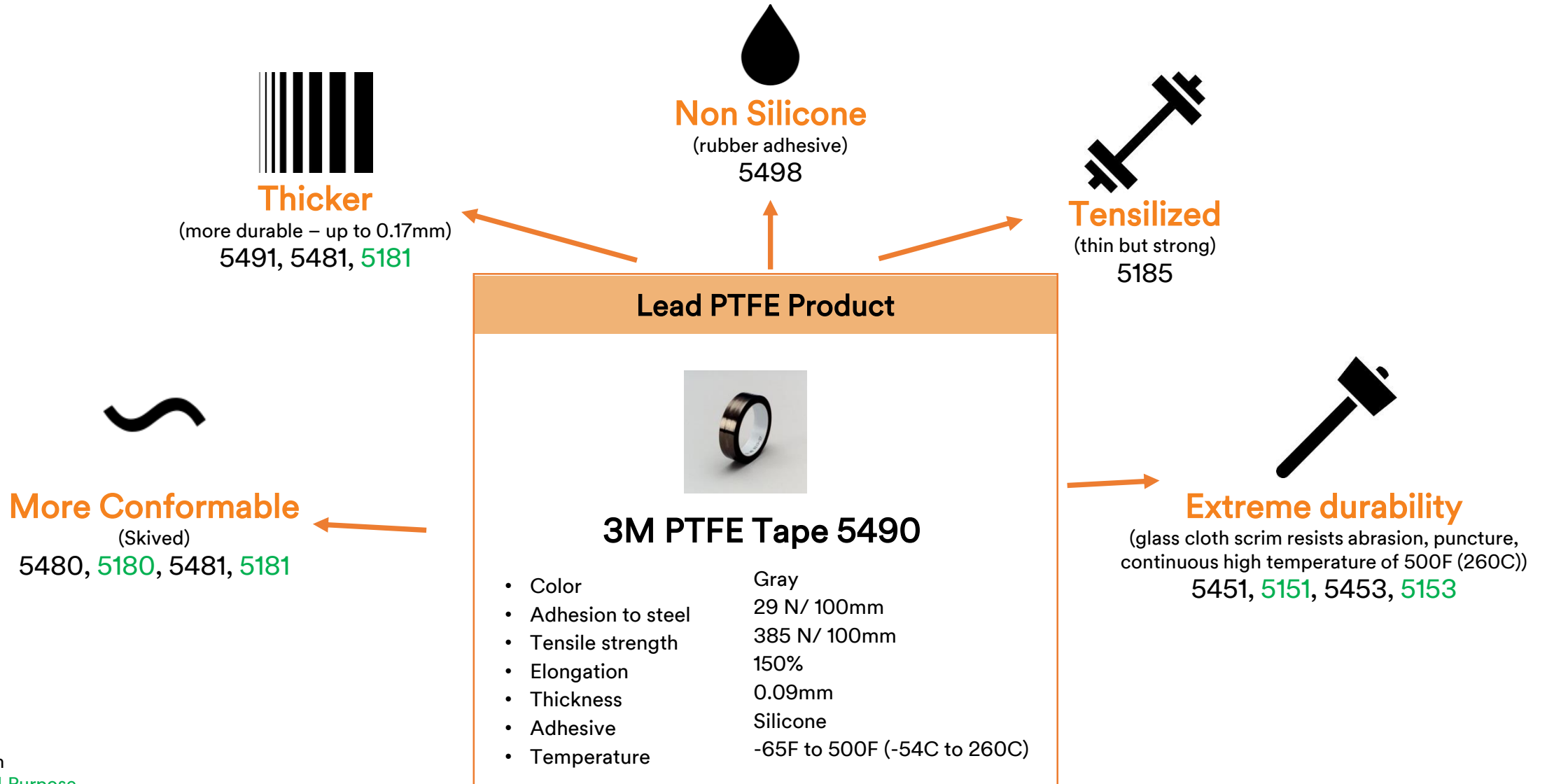


# 3M™ PTFE Extruded Film Tape 5490 is part of a larger family















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          |                               |                              |                | Elongation at break (%) | Temperature range (°C) |
|---------|---------------------------|---------------|------------|---|---|---------------------|-------------------------------|------------------------------|----------------|-------------------------|------------------------|
|         |                           |               |            |   |   | Tape thickness (mm) | Adhesion to steel (N / 100mm) | Tensile strength (N / 100mm) | Liner          |                         |                        |
| 5490★   | PTFE/Silicone             | Extruded      | Gray       |    | Thin, <b>lies flat</b> , elongation         | 0.09                | 29                            | 385                          | N/A            | 150%                    | -54C to 260C           |
| 5491★   | PTFE/Silicone             | Extruded      | Gray       |    | <b>Longer wear</b> than 5490                | 0.17                | 38                            | 700                          | N/A            | 200%                    | -54C to 260C           |
| 5480★   | PTFE/Silicone             | <b>Skived</b> | Gray       |    | Thin, > <b>tensile</b> than 5490            | 0.09                | 22                            | 473                          | N/A            | 140%                    | -54C to 260C           |
| 5481★   | PTFE/Silicone             | <b>Skived</b> | Gray       |    | <b>Conformability, tensile</b>              | 0.17                | 35                            | 858                          | N/A            | 335%                    | -54C to 260C           |
| 5180    | PTFE/Silicone             | <b>Skived</b> | Gray       |    | <b>Economical</b> , general use             | 0.09                | 28                            | 525                          | N/A            | 100%                    | -54C to 260C           |
| 5181    | PTFE/Silicone             | <b>Skived</b> | Gray       |    | <b>Longer wear</b> than 5180                | 0.17                | 39                            | 1300                         | N/A            | 100%                    | -54C to 260C           |
| 5185    | PTFE/Silicone             | <b>Skived</b> | <b>Red</b> |    | <b>Thin with high tensile</b>               | 0.11                | 30                            | 716                          | N/A            | 117%                    | 260C                   |
| 5498★   | PTFE/ <b>Rubber</b>       | Extruded      | Brown      |    | <b>Non-silicone</b> , adhesion              | 0.10                | 53                            | 332                          | N/A            | 105%                    | 4 to 149C              |
| 5451★   | PTFE/ <b>GC</b> /Silicone |               | Brown      |    | <b>Excellent wear, cut resistance</b>       | 0.14                | 31                            | 1760                         | N/A            | N/A                     | -73C to 260C           |
| 5453★   | PTFE/ <b>GC</b> /Silicone |               | Brown      |   | <b>Longer wear</b> than 5451                | 0.21                | 56                            | 3065                         | N/A            | N/A                     | -73C to 260C           |
| 5151    | PTFE/ <b>GC</b> /Silicone |               | Brown      |  | <b>Economical GC PTFE</b>                   | 0.13                | 36                            | 1925                         | UVPC Available | N/A                     | -73C to 260C           |
| 5153    | PTFE/ <b>GC</b> /Silicone |               | Brown      |  | <b>Longer wear</b> than 5151                | 0.20                | 47                            | 5075                         | UVPC Available | N/A                     | -73C to 260C           |