

5405NL PTFE Tape



Product Description

5405NL is high modulus PTFE tape made from pure 5 mil unsupported virgin PTFE. High modulus PTFE tapes offer improved density and strength over skived PTFE tapes. 5405NL is suitable for high temperature roller wrapping during die polyethylene extrusion and laminating processes. 5405NL also offers excellent electrical properties, it can be used to insulate coils and transformers due to its high dielectric strength. It also offers excellent release properties on low friction surfaces, high chemical and abrasion resistance as well as conformability.

Main Applications

- Roller wrapping applications
- Extrusion, coating and laminating processes
- Electrical insulation for coils and transformers
- Heat sealing

Technical data

	Metric	Imperial
Total Thickness	203 µm	8 mil
Adhesion to steel	3.3 N/cm	30 oz/in
Elongation at Break	125%	125%
Tensile Strength	53 N/cm	30 lb/in
Dielectric Strength	14000 V/mil	14000 V/mil
Operating Temperature	-73 to 260 °C	-100 to 500 °F
Long Term Temperature Resistance	260 °C	500 °F

Backing

Oriented PTFE

Type of Adhesive

Silicone

Note: The physical and performance characteristics shown are averages obtained from tests performed according to ASTM and PSTC test methods. MPI Matco can make no warranty of any kind as to the results of the adhesive product use. The information published here is representative of laboratory research on these products and is believed to be reliable. Values should not be used for specification purposes. Each user should perform their own tests to determine the suitability of the product for their intended application and shall assume all risks and liabilities in connection therewith. Materials should be stored at 70°F (21°C) with 50% relative humidity.