

DeWAL DW 200

Polytetrafluoroethylene

DeWAL Industries

Message:

D/W 200 is skived from a modified homopolymer PTFE resin containing a higher level of a fully fluorinated comonomer than is in our 220 film. The incorporation of the comonomer yields a material with improved electrical and physical properties. This film can be thermally bonded (fused) to itself (625 - 650 degrees F). The modified homopolymer resin exhibits chemical resistance equivalent to that of homopolymer PTFE. Its tensile strength is approximately 25% higher, and the elongation is approximately 60% higher than for homopolymer PTFE. Because of these properties D/W 200 is often a good substitute for melt Processable films such as PFA.

D/W 200 may be thermally fused to itself making possible the fabrication of structures requiring these properties. D/W 200 can also be used as a high dielectric strength fusible wrap in electrical and electronic cable applications. It can also be used as a bonding film in the circuit board industry.

| General Information | | | |
|---------------------------------|------------------------------------|-------|-------------|
| Features | Good Chemical Resistance | | |
| | Good Electrical Properties | | |
| | Homopolymer | | |
| Uses | Bonding | | |
| | Electrical/Electronic Applications | | |
| | Electronic Cable Jacketing | | |
| | Film | | |
| Forms | Film | | |
| Physical | Nominal Value | Unit | |
| Thickness | 12.7 to 1574.8 | µm | |
| Backing Material | PTFE Film | | |
| Core ID | 7.62 | cm | |
| Maximum Roll OD | 356 | mm | |
| Width | 25.4 to 914 | mm | |
| Films | Nominal Value | Unit | Test Method |
| Tensile Strength - MD (Yield) | 41.4 | MPa | ASTM D882 |
| Tensile Elongation - MD (Break) | 500 | % | ASTM D882 |
| Thermal | Nominal Value | Unit | |
| Continuous Use Temperature | 260 | °C | |
| Electrical | Nominal Value | Unit | Test Method |
| Dielectric Strength | 110 | kV/mm | ASTM D149 |

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