

DeWAL DW 211

Polytetrafluoroethylene

DeWAL Industries

Message:

D/W 211 is a film, skived from virgin PTFE, that has been etched on one side with sodium ammonia (D/W 216), after which a primer has been applied to enhance bonding to elastomers and pressure sensitive adhesives. This surface treatment allows PTFE, which normally exhibits very poor adhesion, to be bonded to other materials. In some applications, sodium ammonia etched materials exhibit somewhat higher strengths than those etched with sodium naphthalene (D/W 212).

Applications for sodium etched PTFE include bonding to elastomers to produce laminated diaphragms, as well as the application of pressure sensitive adhesives in the production of PTFE pressure sensitive tapes. In all of the above applications, the lamination or adhesive application is usually accomplished with a primer that is specific to the material being applied.

| General Information | | | |
|---------------------------------|---------------|------|-------------|
| Features | Good Adhesion | | |
| | Good Strength | | |
| Uses | Adhesives | | |
| | Diaphragms | | |
| | Film | | |
| | Tape | | |
| Appearance | Black | | |
| | Natural Color | | |
| | Red | | |
| | White | | |
| Forms | Film | | |
| Physical | Nominal Value | Unit | |
| Thickness | 50.8 to 1020 | nm | |
| Core ID | 7.62 | cm | |
| Maximum Roll OD | 356 | mm | |
| Width | 6.35 to 965 | mm | |
| Films | Nominal Value | Unit | Test Method |
| Tensile Strength - MD (Yield) | 27.6 | MPa | ASTM D882 |
| Tensile Elongation - MD (Break) | 300 | % | ASTM D882 |
| Thermal | Nominal Value | Unit | |
| Continuous Use Temperature | 260 | °C | |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

