



Ficha técnica

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PTFE VIRGEN

El PTFE (Politetrafluoretileno) es una resina de fluorocarburo, conocida mundialmente como Teflon® una marca de las más versátiles líneas de productos que hayan salido de los laboratorios de DuPont.

The PTFE (polytetrafluoroethylene) is a fluorocarbon resin, known worldwide as a trademark Teflon® the most versatile product lines that have emerged from the laboratories of DuPont.

| Propiedades básicas / basic properties | Unidad / unit | Valor / value | Método / method |
|--|----------------------|------------------|-----------------|
| Peso específico / specific gravity | gr/cm ³ | 2.13 - 2.19 | ASTM D792 |
| Color / colour | | Blanco / white | |
| Absorción de agua / water absorption | % | 0.01 | ASTM D570 |
| Inflamabilidad / flammability | | V0 | UL94 |
| Carga de rotura / tensile strength | MPa | ≥20 | ASTM D4894 |
| Alargamiento / elongation | % | ≥200 | ASTM D4894 |
| Dureza / hardness | °Shore D | ≥54 | ASTM D2240 |
| Dureza de bola / ball hardness | MPa | ≥23 | ASTM D785 |
| Compresión, 1% def. / comp. strength at 1% def. | MPa | ≥4 | ASTM D695 |
| Deformación bajo carga 140kg/cm² 24hr 23°C / deformation under load 140kg/cm ² 24hr 23°C | % | 10-13 | ASTMD621 |
| Deform. Permanente, tras 24hr relajación, 23°C / permanent deformation, after 24hr relaxation at 23°C | % | 6-7.5 | ASTMD621 |
| Coefficiente de fricción / coefficient of friction | | | |
| · Estática / static | | 0.08-0.10 | |
| · Dinámica / dynamic | | 0.06-0.08 | ASTM D1894 |
| Factor de desgaste K / wear factor K | | 2900 | ASTM D3702 |
| Conductividad térmica / thermal conductivity | W/m·K | 0.34 | ASTM C177 |
| Coef. dilatación térmica lineal 25 a 100°C coefficient of linear thermal expansion from 25 to 100°C | 10 ⁻⁵ /°C | 12-15 | ASTM D696 |
| Rigidez dieléctrica / dielectric strength | KV/mm | ≥30 | ASTM D149 |
| Resistencia volumétrica / volume resistivity | Ohm/cm | 10 ¹⁸ | ASTM D257 |
| Resistencia superficial / surface resistivity | Ohm | 10 ¹⁷ | ASTM D257 |
| Resistencia química / chemical resistance | | 0 - 14 | |
| Campo de temperaturas / temperatura range | °C | -100 / +250 | |

Formato / format

- Films en rollos, planchas, barras redondas macizas, tubos, dollas, juntas y mecanizados.
Films in rolls, sheets, rods, tubes, pieces & gaskets.

Aprobaciones / approvals

- FDA CFR 21. num.177.1550
- EC1935/2004 - 10/2011



Disponible bajo consulta / available on request

- PTFE con cargas de relleno, como el grafito, carbono, fibra de vidrio, bronce, aluminio, etc. /
PTFE with fillers, as graphite, carbon, fiberglass, bronze, aluminum, etc.