



## PVC U 6x5000 mm SDR 9 transparente

Nº artículo P2202284

### 1. Ficha técnica

| Propiedad                                     | Valor            | Unidad              | Norma de ensayo  |
|-----------------------------------------------|------------------|---------------------|------------------|
| Densidad                                      | 1.53             | g/cm <sup>3</sup>   | ASTM D792        |
| Absorción de agua hasta la saturación         | 0.5              | %                   | ASTM D570        |
| Absorción de agua hasta la saturación         | 0.5              | %                   | ASTM D570        |
| Límite de resistencia a la tracción           | 48.8             | MPa                 | ASTM D638        |
| Módulo de elasticidad (tracción)              | 2669             | MPa                 | ASTM D638        |
| Resistencia a la tensión                      | 40               | MPa                 | ISO 527          |
| Deformación a la rotura                       | 14               | %                   | ISO 527          |
| Resistencia a la flexión                      | 73.1             | MPa                 | ASTM D790        |
| Resistencia al impacto con entalla (Charpy)   | 4                | kJ/m <sup>2</sup>   | ISO 179          |
| Resistencia al impacto (Charpy)               | 550              | kJ/m <sup>2</sup>   | DIN EN ISO 8256  |
| Dureza Shore D                                | 85               | ° Shore D           | ASTM D2240       |
| Dureza a la presión de bala                   | 100              | MPa                 | ISO 2039         |
| Punto de fusión                               | 189.2            | °C                  | ASTM D3418       |
| Temperatura de servicio máxima (corto plazo)  | 93.3             | °C                  | UL 746B          |
| Temperatura de funcionamiento máxima          | 60               | °C                  |                  |
| Temperatura mínima                            | -15              | °C                  | UL 746B          |
| Deformación térmica (HDT/A)                   | 106.7            | °C                  | ASTM D648        |
| Temperatura de ablandamiento Vicat (VST/B/50) | 75               | °C                  | ISO 306          |
| Conductividad térmica                         | 0.14             | W/(m·K)             | ISO 22007-4      |
| Coeficiente de expansión térmica              | 1.03             | 10 <sup>-4</sup> /K | ASTM D696        |
| Fuerza dieléctrica                            | 40               | kV/mm               | IEC 60243-1      |
| Resistividad volumétrica                      | 10 <sup>15</sup> | Ω·cm                | DIN EN 62631-3-1 |
| Constante dieléctrica (1 MHz)                 | 3.1              | -                   | IEC 60250        |
| Constante dieléctrica (100 Hz)                | 3.2              | -                   | IEC 60250        |
| Factor de pérdida dieléctrica (1 MHz)         | 0.0              | -                   | IEC 60250        |

| Propiedad                               | Valor            | Unidad | Norma de ensayo  |
|-----------------------------------------|------------------|--------|------------------|
| Resistencia superficial                 | 10 <sup>13</sup> | Ω      | DIN EN 62631-3-2 |
| Índice de seguimiento comparativo (CTI) | 600              | V      | IEC 60112        |

## 2. Resistencia química

● Resistente   ● Parcialmente resistente   ● No resistente

| Sustancia química                     | Concentración | Resist. |
|---------------------------------------|---------------|---------|
| 1,4-Dioxane                           | 100%          | ●       |
| 2-Hydroxypropionic acid (lactic acid) | 90%           | ●       |
| Acetic acid                           | 100%          | ●       |
| Acetone                               | 100%          | ●       |
| Ammonia                               | conc.         | ●       |
| Ammonium chloride                     | —             | ●       |
| Amyl alcohol                          | —             | ●       |
| Apple juice                           | —             | ●       |
| Benzene                               | —             | ●       |
| Bleaching solution                    | 12.5 cl       | ●       |
| Boric acid                            | 100%          | ●       |
| Brake fluid                           | —             | ●       |
| Butyl acetate                         | —             | ●       |
| Calcium chloride                      | —             | ●       |
| Carbon disulphide                     | 100%          | ●       |
| Carbon tetrachloride                  | —             | ●       |
| Chlorine (gas)                        | 100%          | ●       |
| Chlorobenzene                         | 100%          | ●       |
| Chloroform                            | —             | ●       |
| Citric acid                           | 10%           | ●       |
| Cresol                                | —             | ●       |
| Cyclohexanone                         | 100%          | ●       |
| Cyclohexene                           | 100%          | ●       |
| Diesel                                | —             | ●       |
| Diethylene oxide                      | —             | ●       |
| Ethyl acetate                         | 100%          | ●       |

| Sustancia química                | Concentración | Resist.       |
|----------------------------------|---------------|---------------|
| Ethyl alcohol (ethanol)          | 96%           | <span></span> |
| Ethylene chloride                | 100%          | <span></span> |
| Food oil                         | —             | <span></span> |
| Formaldehyde (aqueous)           | 40%           | <span></span> |
| Formic acid                      | 10%           | <span></span> |
| Frost protection agent           | —             | <span></span> |
| Fuel (aromatic free)             | —             | <span></span> |
| Fuel oil                         | —             | <span></span> |
| Glycerine                        | 100%          | <span></span> |
| Glycol                           | 100%          | <span></span> |
| Heptane                          | 100%          | <span></span> |
| Hydrochloric acid                | 10%           | <span></span> |
| Hydrochloric acid (concentrated) | conc.         | <span></span> |
| Hydrofluoric acid                | 40%           | <span></span> |
| Hydrogen peroxide                | 10%           | <span></span> |
| Hydrogen sulfide (aqueous)       | —             | <span></span> |
| Isopropyl alcohol                | 100%          | <span></span> |
| Linseed oil                      | —             | <span></span> |
| Mercurochrome                    | —             | <span></span> |
| Methyl alcohol (methanol)        | 100%          | <span></span> |
| Methyl ethyl ketone (MEK)        | 100%          | <span></span> |
| Methylene chloride               | 100%          | <span></span> |
| Milk                             | —             | <span></span> |
| Mineral oils (aromatic free)     | —             | <span></span> |
| Nitric acid                      | 50%           | <span></span> |
| Nitric acid                      | 10%           | <span></span> |
| Nitrobenzene                     | —             | <span></span> |
| Oxalic acid                      | —             | <span></span> |
| Ozone (gas)                      | ≤ 0.5 ppm     | <span></span> |
| Paraffin oil                     | 100%          | <span></span> |
| Perchloroethylene                | —             | <span></span> |
| Petroleum                        | 100%          | <span></span> |

| Sustancia química                        | Concentración | Resist.     |
|------------------------------------------|---------------|-------------|
| Petroleum ether                          | 100%          | <div></div> |
| Phenol (aqueous)                         | ca. 9%        | <div></div> |
| Phosphoric acid                          | 50%           | <div></div> |
| Potassium hydroxide solution             | 50%           | <div></div> |
| Premium fuel                             | —             | <div></div> |
| Propyl alcohol                           | —             | <div></div> |
| Pyridine                                 | —             | <div></div> |
| Silicone oil                             | —             | <div></div> |
| Sodium carbonate (aqueous)               | —             | <div></div> |
| Sodium chloride (aqueous)                | —             | <div></div> |
| Sodium hydrogen sulfite                  | —             | <div></div> |
| Sodium hydroxide solution (caustic soda) | 15%           | <div></div> |
| Sodium hydroxide solution (caustic soda) | 60%           | <div></div> |
| Sodium nitrate (aqueous)                 | —             | <div></div> |
| Sodium thiosulfate                       | —             | <div></div> |
| Sulphuric acid                           | 96%           | <div></div> |
| Tetrahydrofuran (THF)                    | 100%          | <div></div> |
| Toluene                                  | 100%          | <div></div> |
| Transformer oil                          | —             | <div></div> |
| Trichloroethylene                        | 100%          | <div></div> |
| Vinegar (standard)                       | 5 - 10%       | <div></div> |
| Water                                    | —             | <div></div> |
| Xylene                                   | —             | <div></div> |