



# PEI 50,8x2440 mm ámbar

Nº artículo P1003405

## 1. Ficha técnica

| Propiedad                                     | Valor            | Unidad              | Norma de ensayo |
|-----------------------------------------------|------------------|---------------------|-----------------|
| Densidad                                      | 1.27             | g/cm³               | ISO 1183        |
| Absorción de agua hasta la saturación         | 0.8              | %                   | ISO 62          |
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| Límite de resistencia a la tracción           | 108.3            | MPa                 | ISO 527         |
| Módulo de elasticidad (tracción)              | 3333.3           | MPa                 | ISO 527         |
| Resistencia a la tensión                      | 85               | MPa                 | ISO 527         |
| Deformación a la rotura                       | 36.7             | %                   | ISO 527         |
| Resistencia a la flexión                      | 158.3            | MPa                 | ISO 178         |
| Resistencia al impacto con entalla (Charpy)   | 4                | kJ/m²               | ISO 180         |
| Resistencia al impacto (Charpy)               | 115              | kJ/m²               | ISO 179         |
| Dureza Shore D                                | 87               | ° Shore D           | ISO 868         |
| Dureza a la presión de bala                   | 220              | MPa                 | ISO 2039        |
| Punto de fusión                               | 217              | °C                  | ISO 3146        |
| Temperatura de servicio máxima (corto plazo)  | 170              | °C                  | UL746B          |
| Deformación térmica (HDT/A)                   | 190              | °C                  | ISO 75          |
| Deformación térmica (HDT/B)                   | 200              | °C                  | ISO 75          |
| Temperatura de ablandamiento Vicat (VST/B/50) | 211              | °C                  | ISO 306         |
| Conductividad térmica                         | 0.24             | W/(m·K)             | ISO 22007-4     |
| Coeficiente de expansión térmica              | 0.56             | 10 <sup>-4</sup> /K | ISO 11359       |
| Fuerza dieléctrica                            | 33               | kV/mm               | IEC 60243-1     |
| Resistividad volumétrica                      | 10 <sup>13</sup> | Ω·cm                | IEC 60093       |
| Constante dieléctrica (1 MHz)                 | 2.9              | -                   | IEC 60250       |
| Factor de pérdida dieléctrica (1 MHz)         | 0.0              | -                   | IEC 60250       |
| Resistencia superficial                       | 10 <sup>13</sup> | Ω                   | IEC 60093       |
| Índice de seguimiento comparativo (CTI)       | 125              | V                   | IEC 60112       |

2. Resistencia química

● Resistente    ● Parcialmente resistente    ● No resistente

| Sustancia química                | Concentración | Resist. |
|----------------------------------|---------------|---------|
| 1,4-Dioxane                      | 100%          | ●       |
| Acetone                          | 100%          | ●       |
| Ammonia                          | concentrated  | ●       |
| Ammonium chloride                | —             | ●       |
| Apple juice                      | —             | ●       |
| Brake fluid                      | —             | ●       |
| Calcium chloride                 | —             | ●       |
| Chlorobenzene                    | 100%          | ●       |
| Chloroform                       | —             | ●       |
| Citric acid                      | 10%           | ●       |
| Diesel                           | —             | ●       |
| Ethyl acetate                    | 100%          | ●       |
| Ethyl alcohol (ethanol)          | 96%           | ●       |
| Ethylene chloride                | 100%          | ●       |
| Food oil                         | —             | ●       |
| Formaldehyde (aqueous)           | 40%           | ●       |
| Formic acid                      | 10%           | ●       |
| Frost protection agent           | —             | ●       |
| Fuel (aromatic free)             | —             | ●       |
| Fuel oil                         | —             | ●       |
| Glycerine                        | 100%          | ●       |
| Glycol                           | 100%          | ●       |
| Heptane                          | 100%          | ●       |
| Hydrochloric acid                | 10%           | ●       |
| Hydrochloric acid (concentrated) | concentrated  | ●       |
| Methyl alcohol (methanol)        | 100%          | ●       |
| Methyl ethyl ketone (MEK)        | 100%          | ●       |
| Methylene chloride               | 100%          | ●       |
| Milk                             | —             | ●       |
| Mineral oil (aromatic free)      | —             | ●       |

| Sustancia química            | Concentración | Resist. |
|------------------------------|---------------|---------|
| Nitric acid                  | 10%           | ●       |
| Nitric acid                  | 50%           | ●       |
| Paraffin oil                 | 100%          | ●       |
| Phosphoric acid              | 50%           | ●       |
| Potassium hydroxide solution | 50%           | ●       |
| Premium fuel                 | —             | ●       |
| Pyridine                     | —             | ●       |
| Silicone oil                 | —             | ●       |
| Sodium carbonate (aqueous)   | —             | ●       |
| Sodium chloride (aqueous)    | —             | ●       |
| Sodium hydrogen sulfite      | —             | ●       |
| Sulphuric acid               | 96%           | ●       |
| Tetrahydrofuran (THF)        | 100%          | ●       |
| Toluene                      | 100%          | ●       |
| Transformer oil              | —             | ●       |
| Trichloroethylene            | 100%          | ●       |
| Vinegar (standard)           | 5-10%         | ●       |
| Water                        | —             | ●       |