



# PMMA E 3050x2050x3 mm negro 0%

Artikelnr P1200681

## 1. Tekniskt datablad

| Egenskap                                      | Värde  | Enhet   | Standard    |
|-----------------------------------------------|--------|---------|-------------|
| Densidad                                      | 1.19   | g/cm³   | ISO 1183    |
| Límite de resistencia a la tracción           | 72     | MPa     | ISO 527     |
| Módulo de elasticidad (tracción)              | 3300   | MPa     | ISO 527-2   |
| Resistencia a la tensión                      | 70     | MPa     | ISO 527-2   |
| Deformación a la rotura                       | 5      | %       | ISO 527-2   |
| Punto de fusión                               | 160    | °C      | ISO 3146    |
| Temperatura de servicio máxima (corto plazo)  | 107.5  | °C      | UL746B      |
| Temperatura de funcionamiento máxima          | 75     | °C      |             |
| Temperatura mínima                            | -40    | °C      |             |
| Deformación térmica (HDT/A)                   | 95     | °C      | ISO 75      |
| Deformación térmica (HDT/B)                   | 100    | °C      | ISO 75      |
| Temperatura de ablandamiento Vicat (VST/B/50) | 103    | °C      | ISO 306     |
| Fuerza dieléctrica                            | 30     | kV/mm   | IEC 60243-1 |
| Resistividad volumétrica                      | 10¹¹ µ | Ω·cm    | IEC 60093   |
| Constante dieléctrica (1 MHz)                 | 1      | -       | IEC 60250   |
| Constante dieléctrica (100 Hz)                | 2.7    | -       | DIN 53483-2 |
| Factor de pérdida dieléctrica (1 MHz)         | 0.03   | -       | IEC 60250   |
| Factor de pérdida dieléctrica (100 Hz)        | 0.06   | -       | DIN 53483-2 |
| Resistencia a la flexión                      | 75     | MPa     | ISO 527-2   |
| Conductividad térmica                         | 0.19   | W/(m·K) | DIN 52612   |
| Resistencia superficial                       | 10¹¹ Ω | Ω       | IEC 60093   |
| Índice de seguimiento comparativo (CTI)       | 600    | V       | IEC 60112   |
| Absorción de agua hasta la saturación         | 2.1    | %       | ISO 62      |
| Absorción de agua hasta la saturación         | 2.1    | %       | ISO 62      |
| Resistencia al impacto con entalla (Charpy)   | 1.6    | kJ/m²   | ISO 179/1eA |
| Resistencia al impacto (Charpy)               | 15     | kJ/m²   | ISO 179/1eU |

| Egenskap                         | Värde | Enhet      | Standard   |
|----------------------------------|-------|------------|------------|
| Coeficiente de expansi n t rmica | 0.0   | 10   /K    | DIN 11359  |
| Dureza Shore D                   | 15    |    Shore D |            |
| Dureza Rockwell                  | 100   | M-scale    | ISO 2039-2 |
| Dureza a la presi n de bala      | 175   | MPa        | ISO 2039-1 |

## 2. Kemisk best ndighet

● Best ndig
 ● Delvis best ndig
 ● Ej best ndig

| Kemikalie               | Konc. | Resultat |
|-------------------------|-------|----------|
| Acetic acid             | 100%  | ●        |
| Acetone                 | 100%  | ●        |
| Ammonia                 | conc. | ●        |
| Amyl alcohol            |       | ●        |
| Apple juice             |       | ●        |
| Benzene                 |       | ●        |
| Butyl acetate           |       | ●        |
| Calcium chloride        |       | ●        |
| Carbon disulphide       | 100%  | ●        |
| Carbon tetrachloride    |       | ●        |
| Chlorine gas            | 100%  | ●        |
| Chloroform              |       | ●        |
| Citric acid             | 10%   | ●        |
| Cresol                  |       | ●        |
| Cyclohexanone           | 100%  | ●        |
| Cyclohexene             | 100%  | ●        |
| Diesel                  |       | ●        |
| Diethylene oxide        |       | ●        |
| Ethyl acetate           | 100%  | ●        |
| Ethyl alcohol (ethanol) | 96%   | ●        |
| Ethylene chloride       | 100%  | ●        |
| Formaldehyde, aqueous   | 40%   | ●        |
| Formic acid             | 10%   | ●        |
| Fuel oil                |       | ●        |
| Fuel, aromatic free     |       | ●        |
| Glycerine               | 100%  | ●        |
| Glycol                  | 100%  | ●        |



| Kemikalie             | Konc. | Resultat |
|-----------------------|-------|----------|
| Sulphuric acid        | 96%   | ●        |
| Tetrahydrofuran (THF) | 100%  | ●        |
| Toluene               | 100%  | ●        |
| Transformer oil       | â€”   | ●        |
| Trichloroethylene     | 100%  | ●        |
| Vinegar, standard     | 5-10% | ●        |
| Water                 | â€”   | ●        |
| Xylene                | â€”   | ●        |