



## POM C FG 50/40x1000 mm meren sininen

Tuotenro P1007216

## 1. Tekninen tietolomake

| Ominaisuus                                    | Arvo             | Yksikkö             | Testausstandardi |
|-----------------------------------------------|------------------|---------------------|------------------|
| Tiheys                                        | 1.24             | g/cm <sup>3</sup>   | ASTM D792        |
| Imeytymisen maksimointi                       | 2.2              | %                   | ASTM D955        |
| Vesihaku kyllästymiseen                       | 0.5              | %                   | ASTM D570        |
| Venymisrajan jännitys                         | 51               | MPa                 | DIN EN ISO 527-2 |
| Joustavuusmoduli (vetolujuus)                 | 1200             | MPa                 | ASTM D790        |
| Murtolujuus                                   | 76.5             | MPa                 | ISO 527          |
| Murtovenymä                                   | 300              | %                   | ASTM D638        |
| Taivutuslujuus                                | 58               | MPa                 | ASTM D638        |
| Särkyäkesto (Charpy)                          | 6                | kJ/m <sup>2</sup>   | DIN EN ISO 179-1 |
| Iskunkestävyys (Charpy)                       | 19               | kJ/m <sup>2</sup>   | ISO 179/1eU      |
| Kovuus Shore D                                | 83               | ° Shore D           | ISO 868          |
| Kulmapaineen kovuus                           | 230              | MPa                 | ISO 2039-1       |
| Sulamispiste                                  | 222              | °C                  | ISO 3146         |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 129              | °C                  | UL746B           |
| Maksimi käyttölämpötila                       | 90               | °C                  |                  |
| Alin lämpötila                                | -46.25           | °C                  |                  |
| Lämpökäyrä (HDT/A)                            | 105              | °C                  | ASTM D648        |
| Lämpökäyrä (HDT/B)                            | 155              | °C                  | ISO 75           |
| Vicat-pehmenemislämpötila (VST/B/50)          | 50               | °C                  | ISO 306          |
| Lämmönjohtavuus                               | 0.3              | W/(m·K)             | DIN 52612        |
| Lämpölaajenemiskerroin                        | 0.4              | 10 <sup>-4</sup> /K | ISO 11359        |
| Dielektrinen voimakkuus                       | 85               | kV/mm               | IEC 60243-1      |
| Tilavuusresistanssi                           | 10 <sup>12</sup> | Ω                   | IEC 60093        |
| Dielektrinen vakio (1 MHz)                    | 3.7              | -                   | IEC 60250        |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0              | -                   | IEC 60250        |

| Ominaisuus                            | Arvo             | Yksikkö | Testausstandardi |
|---------------------------------------|------------------|---------|------------------|
| Dielektrinen hajoamiskerroin (100 Hz) | 0.0              | -       | IEC 60250        |
| Pintaresistanssi                      | 10 <sup>13</sup> | Ω       | IEC 60093        |
| Vertailukulkemisindeksi (CTI)         | 600              | V       | IEC 60112        |
| Paloaluokitus (UL 94)                 | 60695            |         | UL 94            |

## 2. Kemiallinen kestävyys

● Kestävä
 ● Osittain kestävä
 ● Ei kestävä

| Kemikaali                             | Pitoisuus | Kestäv. |
|---------------------------------------|-----------|---------|
| 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                  | —         | ●       |
| Chlorobenzene                         | 100%      | ●       |
| Chloroform                            | —         | ●       |
| Citric acid                           | 10%       | ●       |
| Cyclohexanone                         | 100%      | ●       |
| Cyclohexene                           | 100%      | ●       |
| Diesel                                | —         | ●       |
| Diethylene oxide                      | —         | ●       |
| Ethyl acetate                         | 100%      | ●       |

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

# Plastshop

| Kemikaali                       | Pitoisuus | Kestäv. |
|---------------------------------|-----------|---------|
| Phenol, aqueous                 | ca. 9%    | ●       |
| Phosphoric acid                 | 50%       | ●       |
| Potassium hydroxide solution    | 50%       | ●       |
| Premium fuel                    | —         | ●       |
| Propyl alcohol                  | —         | ●       |
| Silicone oil                    | —         | ●       |
| Sodium carbonate, aqueous       | —         | ●       |
| Sodium chloride, aqueous        | —         | ●       |
| Sodium hydrogen sulfite         | —         | ●       |
| Sodium hydroxide solution (15%) | 15%       | ●       |
| Sodium hydroxide solution (60%) | 60%       | ●       |
| Sodium nitrate, aqueous         | —         | ●       |
| Sulphuric acid                  | 96%       | ●       |
| Tetrahydrofuran (THF)           | 100%      | ●       |
| Toluene                         | 100%      | ●       |
| Transformer oil                 | —         | ●       |
| Trichloroethylene               | 100%      | ●       |
| Vinegar, standard               | 5-10%     | ●       |
| Water                           | —         | ●       |
| Xylene                          | —         | ●       |