



# POM C FG 40/20x3000 mm luonnollinen

Artikelnr P1007487

## 1. Tekniskt datablad

| Egenskap                                      | Värde            | Enhet               | Standard         |
|-----------------------------------------------|------------------|---------------------|------------------|
| Tiheys                                        | 1.24             | g/cm <sup>3</sup>   | ASTM D792        |
| 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        |
| Sulamispiste                                  | 222              | °C                  | ISO 3146         |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 129              | °C                  | UL746B           |
| Maksimi käyttölämpötila                       | 90               | °C                  |                  |
| Alin lämpötila                                | -46.25           | °C                  |                  |
| Lämpötilaköyry (HDT/A)                        | 105              | °C                  | ASTM D648        |
| Lämpötilaköyry (HDT/B)                        | 155              | °C                  | ISO 75           |
| Vicat-pehmenemislämpötila (VST/B/50)          | 50               | °C                  | ISO 306          |
| Dielektrinen voimakkuus                       | 85               | kV/mm               | IEC 60243-1      |
| Tilavuusresistanssi                           | 10 <sup>-3</sup> | g/cm <sup>3</sup>   | IEC 60093        |
| Dielektrinen vakio (1 MHz)                    | 3.7              | -                   | IEC 60250        |
| Dielektrinen hajoamiskerroin (1 MHz)          | 0.0              | -                   | IEC 60250        |
| Dielektrinen hajoamiskerroin (100 Hz)         | 0.0              | -                   | IEC 60250        |
| Paloaluokitus (UL 94)                         | 60695            |                     | UL 94            |
| Taivutuslujuus                                | 58               | MPa                 | ASTM D638        |
| Lämpöjohtavuus                                | 0.3              | W/(m·K)             | DIN 52612        |
| Pintaresistanssi                              | 10 <sup>-3</sup> | g/cm <sup>3</sup>   | IEC 60093        |
| Vertailukulkemisindeksi (CTI)                 | 600              | V                   | IEC 60112        |
| Imeytymisen maksimointi                       | 2.2              | %                   | ASTM D955        |
| Vesihaku kyllästymiseen                       | 0.5              | %                   | ASTM D570        |
| Särkyäkesto (Charpy)                          | 6                | kJ/m <sup>2</sup>   | DIN EN ISO 179-1 |
| Iskunkestävyys (Charpy)                       | 19               | kJ/m <sup>2</sup>   | ISO 179/1eU      |
| Lämpölaajenemiskerroin                        | 0.4              | 10 <sup>-6</sup> /K | ISO 11359        |

| Egenskap            | Värde | Enhet      | Standard   |
|---------------------|-------|------------|------------|
| Kovuus Shore D      | 83    | Å° Shore D | ISO 868    |
| Kulmapaineen kovuus | 230   | MPa        | ISO 2039-1 |

2. Kemisk beständighet

● Beständig    ● Delvis beständig    ● Ej beständig

| Kemikalie                             | Konc.   | Resultat |
|---------------------------------------|---------|----------|
| 1,4-Dioxane                           | 100%    | ●        |
| 2-Hydroxypropionic acid (lactic acid) | 90%     | ●        |
| Acetic acid                           | 100%    | ●        |
| Acetone                               | 100%    | ●        |
| Ammonia                               | conc.   | ●        |
| Ammonium chloride                     | â€”     | ●        |
| Amyl alcohol                          | â€”     | ●        |
| Apple juice                           | â€”     | ●        |
| Benzene                               | â€”     | ●        |
| Bleaching solution                    | 12.5 cl | ●        |
| Boric acid                            | 100%    | ●        |
| Brake fluid                           | â€”     | ●        |
| Butyl acetate                         | â€”     | ●        |
| Calcium chloride                      | â€”     | ●        |
| Carbon disulphide                     | 100%    | ●        |
| Carbon tetrachloride                  | â€”     | ●        |
| Chlorobenzene                         | 100%    | ●        |
| Chloroform                            | â€”     | ●        |
| Citric acid                           | 10%     | ●        |
| Cyclohexanone                         | 100%    | ●        |
| Cyclohexene                           | 100%    | ●        |
| Diesel                                | â€”     | ●        |
| Diethylene oxide                      | â€”     | ●        |
| Ethyl acetate                         | 100%    | ●        |
| Ethyl alcohol (ethanol)               | 96%     | ●        |
| Food oil                              | â€”     | ●        |
| Formaldehyde, aqueous                 | 40%     | ●        |
| Formic acid                           | 10%     | ●        |

| Kemikalie                        | Konc.      | Resultat |
|----------------------------------|------------|----------|
|                                  |            |          |
| Frost protection agent           | â€”        | ●        |
| Fuel oil                         | â€”        | ●        |
| Fuel, aromatic free              | â€”        | ●        |
| Glycerine                        | 100%       | ●        |
| Glycol                           | 100%       | ●        |
| Heptane                          | 100%       | ●        |
| Hydrochloric acid                | 10%        | ●        |
| Hydrochloric acid (concentrated) | conc.      | ●        |
| Hydrofluoric acid                | 40%        | ●        |
| Hydrogen peroxide                | 10%        | ●        |
| Hydrogen sulfide, aqueous        | â€”        | ●        |
| Isopropyl alcohol                | 100%       | ●        |
| Linseed oil                      | â€”        | ●        |
| Mercurochrome                    | â€”        | ●        |
| Methyl alcohol (methanol)        | 100%       | ●        |
| Methyl ethyl ketone (MEK)        | 100%       | ●        |
| Methylene chloride               | 100%       | ●        |
| Milk                             | â€”        | ●        |
| Mineral oils (aromatic free)     | â€”        | ●        |
| Nitric acid                      | 10%        | ●        |
| Nitric acid (50%)                | 50%        | ●        |
| Nitrobenzene                     | â€”        | ●        |
| Oxalic acid                      | â€”        | ●        |
| Ozone (gas)                      | â‰¤0.5 ppm | ●        |
| Paraffin oil                     | 100%       | ●        |
| Perchloroethylene                | â€”        | ●        |
| Petroleum                        | 100%       | ●        |
| Petroleum ether                  | 100%       | ●        |
| Phenol, aqueous                  | ca. 9%     | ●        |
| Phosphoric acid                  | 50%        | ●        |
| Potassium hydroxide solution     | 50%        | ●        |
| Premium fuel                     | â€”        | ●        |
| Propyl alcohol                   | â€”        | ●        |
| Silicone oil                     | â€”        | ●        |

| Kemikalie                       | Konc. | Resultat |
|---------------------------------|-------|----------|
| Sodium carbonate, aqueous       | â€”   | ●        |
| Sodium chloride, aqueous        | â€”   | ●        |
| Sodium hydrogen sulfite         | â€”   | ●        |
| Sodium hydroxide solution (15%) | 15%   | ●        |
| Sodium hydroxide solution (60%) | 60%   | ●        |
| Sodium nitrate, aqueous         | â€”   | ●        |
| Sulphuric acid                  | 96%   | ●        |
| Tetrahydrofuran (THF)           | 100%  | ●        |
| Toluene                         | 100%  | ●        |
| Transformer oil                 | â€”   | ●        |
| Trichloroethylene               | 100%  | ●        |
| Vinegar, standard               | 5-10% | ●        |
| Water                           | â€”   | ●        |
| Xylene                          | â€”   | ●        |