



POM C FG 100/80x1000 mm luonnollinen

Artikelnummer: P1007429

1. Tekniskt Datablad (TDS)

Tiheys & paino

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|----------|-------|-------------------|-----------|
| Tiheys | 1.24 | g/cm ³ | ASTM D792 |

Vesihöyrns sitoutuminen

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|-------------------------|-------|-------|-----------|
| Imeytymisen maksimointi | 2.2 | % | ASTM D955 |
| Vesihaku kyllästymiseen | 0.5 | % | ASTM D570 |

Vetokoeominaisuudet

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|-------------------------------|-------|-------|------------------|
| 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 |

Joustavuusominaisuudet

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|----------------|-------|-------|-----------|
| Taivutuslujuus | 58 | MPa | ASTM D638 |

Iskunkestävyys

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|----------------------|-------|-------------------|------------------|
| Särkyäkesto (Charpy) | 6 | kJ/m ² | DIN EN ISO 179-1 |

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|-------------------------|-------|-------------------|-------------|
| Iskunkestävyys (Charpy) | 19 | kJ/m ² | ISO 179/1eU |

Kovuus

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|---------------------|-------|-----------|------------|
| Kovuus Shore D | 83 | ° Shore D | ISO 868 |
| Kulmapaineen kovuus | 230 | MPa | ISO 2039-1 |

Lämpötilarajat

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|---|----------|-------|-----------|
| Sulamispiste | 222 | °C | ISO 3146 |
| Maksimaalinen käyttölämpötila (lyhytaikainen) | 129.1667 | °C | UL746B |
| Maksimi käyttölämpötila | 90.2778 | °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

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|-----------------|-------|---------|-----------|
| Lämmönjohtavuus | 0.3 | W/(m·K) | DIN 52612 |

Lämpölaajeneminen

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|------------------------|-------|---------------------|-----------|
| Lämpölaajenemiskerroin | 0.4 | 10 ⁻⁴ /K | ISO 11359 |

Eristysominaisuudet

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|---------------------------------------|--------|-------|-------------|
| Dielektrinen voimakkuus | 85 | kV/mm | IEC 60243-1 |
| Tilavuusresistanssi | 1012 | Ω | IEC 60093 |
| Dielektrinen vakio (1 MHz) | 3.6889 | - | IEC 60250 |
| Dielektrinen hajoamiskerroin (1 MHz) | 0.0053 | - | IEC 60250 |
| Dielektrinen hajoamiskerroin (100 Hz) | 0.002 | - | IEC 60250 |

Staattinen leviäminen

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|-------------------------------|-------|-------|-----------|
| Pintaresistanssi | 1013 | Ω | IEC 60093 |
| Vertailukulkemisindeksi (CTI) | 600 | V | IEC 60112 |

Paloluokitus

| EGENSKAP | VÄRDE | ENHET | STANDARD |
|----------------------|-------|-------|----------|
| Paloluokitus (UL 94) | 60695 | | UL 94 |

2. Säkerhetsinformation (MSDS)

Klassificering: Ej klassificerad som farlig (CLP/GHS) i fast form.

Hantering: Inga särskilda åtgärder vid normal hantering. Vid termisk bearbetning: God ventilation krävs — formaldehyd kan frigöras vid >200 °C.

Lagring: Förvaras torrt och svalt. Skyddas mot syror. 5-40 °C.

Brandrisker: Vid brand/termisk nedbrytning: Formaldehyd (CH₂O), CO, CO₂. Formaldehyd är hälsoskadligt. Använd andningsskydd.

3. Kemisk beständighet

A Utmärkt **B** God **C** Begränsad **D** Ej rekommenderad

| KEMIKALIE | BETYG | KONC. | TEMP. |
|---------------------------------------|-----------------|----------|-------|
| 1,4-Dioxane | good | 100%% | |
| 2-Hydroxypropionic acid (lactic acid) | excellent | 90%% | |
| Acetic acid | good | 100%% | |
| Acetone | excellent | 100%% | |
| Ammonia | excellent | conc.% | |
| Ammonium chloride | good | | |
| Amyl alcohol | excellent | | |
| Apple juice | excellent | | |
| Benzene | good | | |
| Bleaching solution | not_recommended | 12.5 cl% | |
| Boric acid | good | 100%% | |
| Brake fluid | excellent | | |
| Butyl acetate | excellent | | |
| Calcium chloride | excellent | | |
| Carbon disulphide | excellent | 100%% | |

| KEMIKALIE | BETYG | KONC. | TEMP. |
|----------------------------------|-----------------|--------|-------|
| Carbon tetrachloride | excellent | | |
| Chlorobenzene | good | 100%% | |
| Chloroform | not_recommended | | |
| Citric acid | good | 10%% | |
| Cyclohexanone | excellent | 100%% | |
| Cyclohexene | excellent | 100%% | |
| Diesel | excellent | | |
| Diethylene oxide | excellent | | |
| Ethyl acetate | good | 100%% | |
| Ethyl alcohol (ethanol) | excellent | 96%% | |
| Food oil | excellent | | |
| Formaldehyde, aqueous | excellent | 40%% | |
| Formic acid | excellent | 10%% | |
| Frost protection agent | excellent | | |
| Fuel oil | excellent | | |
| Fuel, aromatic free | excellent | | |
| Glycerine | excellent | 100%% | |
| Glycol | excellent | 100%% | |
| Heptane | excellent | 100%% | |
| Hydrochloric acid | not_recommended | 10%% | |
| Hydrochloric acid (concentrated) | not_recommended | conc.% | |
| Hydrofluoric acid | not_recommended | 40%% | |
| Hydrogen peroxide | excellent | 10%% | |
| Hydrogen sulfide, aqueous | excellent | | |
| Isopropyl alcohol | excellent | 100%% | |
| Linseed oil | excellent | | |
| Mercurochrome | not_recommended | | |
| Methyl alcohol (methanol) | excellent | 100%% | |
| Methyl ethyl ketone (MEK) | good | 100%% | |
| Methylene chloride | not_recommended | 100%% | |
| Milk | excellent | | |

| KEMIKALIE | BETYG | KONC. | TEMP. |
|---------------------------------|-----------------|-----------|-------|
| Mineral oils (aromatic free) | excellent | | |
| Nitric acid | not_recommended | 10%% | |
| Nitric acid (50%) | not_recommended | 50%% | |
| Nitrobenzene | good | | |
| Oxalic acid | not_recommended | | |
| Ozone (gas) | not_recommended | ≤0.5 ppm% | |
| Paraffin oil | excellent | 100%% | |
| Perchloroethylene | excellent | | |
| Petroleum | excellent | 100%% | |
| Petroleum ether | excellent | 100%% | |
| Phenol, aqueous | not_recommended | ca. 9%% | |
| Phosphoric acid | not_recommended | 50%% | |
| Potassium hydroxide solution | good | 50%% | |
| Premium fuel | excellent | | |
| Propyl alcohol | excellent | | |
| Silicone oil | excellent | | |
| Sodium carbonate, aqueous | excellent | | |
| Sodium chloride, aqueous | excellent | | |
| Sodium hydrogen sulfite | not_recommended | | |
| Sodium hydroxide solution (15%) | excellent | 15%% | |
| Sodium hydroxide solution (60%) | good | 60%% | |
| Sodium nitrate, aqueous | excellent | | |
| Sulphuric acid | not_recommended | 96%% | |
| Tetrahydrofuran (THF) | good | 100%% | |
| Toluene | excellent | 100%% | |
| Transformer oil | excellent | | |
| Trichloroethylene | good | 100%% | |
| Vinegar, standard | excellent | 5-10%% | |
| Water | excellent | | |
| Xylene | excellent | | |



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