

POM C 280x3000 mm luonnollinen

Artikelnr P1005118

1. Tekniskt datablad

| Egenskap | Värde | Enhet | Standard |
|---|---------------------------------|---------------------|------------------|
| Tiheys | 1.24 | g/cm ³ | 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 | |
| Lämpötilakäyrä (HDT/A) | 105 | °C | ASTM D648 |
| Lämpötilakäyrä (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 ¹¹ Å ² | Å ² | 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 |
| Paloalokitus (UL 94) | 60695 | | UL 94 |
| Taivutuslujuus | 58 | MPa | ASTM D638 |
| Lämmänsiirtävyys | 0.3 | W/(m·K) | DIN 52612 |
| Pintaresistanssi | 10 ¹¹ Å ³ | Å ³ | IEC 60093 |
| Vertailukemiseindeksi (CTI) | 600 | V | IEC 60112 |
| Imeytymisen maksimointi | 2.2 | % | ASTM D955 |
| Vesihaku kyllästymiseen | 0.5 | % | ASTM D570 |
| Särkyäkesto (Charpy) | 6 | kJ/m ² | DIN EN ISO 179-1 |
| Iskunkestävyys (Charpy) | 19 | kJ/m ² | ISO 179/1eU |
| Lämpölaajenemiskerroin | 0.4 | 10 ⁻⁶ /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€” | ● |