

**D
4**

| | Förkortning | Kemisk beskrivning | Handelsnamn | VDE-beteckning | CENELEC-beteckning | Genomsnittlig hållfasthet kV/mm | Dielektricitetskonstant | Syreindex (%O ₂) | |
|--------------|------------------------------|--|--------------|-----------------|--------------------|---------------------------------|-------------------------|----------------------------------|--|
| Termoplaster | PVC | Polyvinylklorid | | Y | V | 25 | 3,5-7,0 | 24 (-35) | |
| | PE | Polyeten, lågtryck (LDPE) Polyeten, högtryck (HDPE) Polyeten, skum (SPE) | | 2Y 2Y 02Y | E E2 | 70 85 30 | 2,3 2,4 1,5 | 18 (-32) 18 (-32) 18 (-32) | |
| | PA | Polyamid | | 4Y | Q4 | 30 | 3,0-7,0 | 18 | |
| | PTFE | Polytetrafluoreten | Teflon®-PTFE | 5Y | E4 | 20 | 2,1 | 95 | |
| | FEP | Perfluoretenpropen | Teflon®-FEP | 6Y | E5 | 25 | 2,1 | 95 | |
| | ETFE | Etenetrafluoreten | Tefzel® | 7Y | E6 | 36 | 2,3-2,6 | 30 | |
| | PI | Polyimid | Kapton® | 8Y | Q5 | | 3,5 | 50 | |
| | PP | Polypropen | | 9Y | E7 | 75 | 2,3-2,5 | 18 | |
| | PVDF | Polyvinylidenfluorid | Kynar® | 10Y | Q6 | 25 | 7,0-1,06 | 43 | |
| | PUR | Polyuretan | | 11Y | Q | 20 | 5,5-8,0 | 19 (-30) | |
| | PETP | Polyetenteraftalat | | 12Y | Q2 | 15 | 3-4 | | |
| | TPE | Termoplastisk polyesterelastomer | Hytrel® | 13Y | | | 3,5-5,0 | 20 | |
| PFA | Perfluoralkoxytetrafluoreten | | 14Y | | 25 | 2,1 | 95 | | |
| Elastomerer | X-PVC | Polyvinylklorid, tvärbunden | | X | V4 | | 4,0-7,0 | 24 (-35) | |
| | X-PE | Polyeten, tvärbunden | | 2X | X | 50 | 2,3-6,0 | 18 (-32) | |
| | NR | Polyisopren | | G | R | 20 | 3,5-5 | | |
| | SIR | Silikongummi | | 2G | S | 20 | 3,0-4,0 | 23 (-35) | |
| | EPR | Etenpropen Etenpropen- Hard grade (H-EPR) | | 3G 3G | B B2 | 20 | 3,0-5,0 3,0-5,0 | 20 (-32) 20 (-32) | |
| | EVA | Etylvinylacetat | Levapren® | 4G | G | 30 | 5-7 | 28 (-38) | |
| | CR | Kloropren | Neoprene® | 5G | N | 20 | 6,0-9,0 | 28 (-38) | |
| | CSM | Klorsulfonerad polyeten | Hypalon® | 6G | N4 | 25 | 6,0-9,0 | 28 (-38) | |
| | FKM | Fluorgummi | Viton® | 7G | N6 | | 4-8 | 45 | |
| CM | Klorinerad polyeten | | 9G | | | 6,0-9,0 | 28 (-36) | | |

Teflon®, Tefzel®, Kapton®, Kevlar®, Mylar® och Hytrel® är av DuPont registrerade varumärken.

Neoprene®, Hypalon® och Viton® är av DuPont Performance Elastomers registrerade varumärken.

| Förkortning | Vattenupptagning % | Tålighet mot olika miljöer* | | | | | | | Halogenfri | Min temp rörlig (°C) | Max temp (°C) | Strålningsbeständighet (MGy) | | | | | |
|-------------|----------------------|-----------------------------|-------------------|----------|-----------|---------------|---------------|-----|------------|--------------------------|---------------|------------------------------|---|-----|-----|-------|----|
| | | Väder | Mekaniskt slitage | Syra/Lut | Olja/Fett | Lösningsmedel | Fiamhärdighet | | | | | | | | | | |
| PVC | 0,40 | 4 | 4 | 3 | 3 | 2-3 | 5 | N | -10/-40 | 70/90 105 enl UL | 0,1 | | | | | | |
| PE | 0,10 0,10 0,10 | 6 | 4 | 3 | 2 | 3 | 3 | J | -50 | 70 | 1 | | | | | | |
| | | 6 | | | | | | | | | | 3 | 3 | J | -50 | 80/90 | 1 |
| | | 6 | | | | | | | | | | 3 | 3 | (J) | -50 | 70 | 1 |
| PA | 1,0 - 1,5 | 1 | | 2 | 3 | 3 | 2 | J | -50 | 80/90 | 0,1 | | | | | | |
| PTFE | 0,01 | 7 | 6 | 7 | 7 | 7 | 7 | N | -65 | 260 | 0,001 | | | | | | |
| FEP | 0,01 | 7 | 6 | 7 | 7 | 7 | 7 | N | -65 | 200 | 0,001 | | | | | | |
| ETFE | 0,02 | 6 | 5 | 6 | 6 | 6 | 4 | N | -65 | 150 | 1 | | | | | | |
| PI | 0,24 | 2 | | 2 | 3 | 3 | 7 | J | -65 | 260 | 5 | | | | | | |
| PP | 0,10 | 3 | 4 | 3 | 3 | 3 | 2 | J | -20 | 90 | 0,1 | | | | | | |
| PVDF | 0,01 | 7 | 5 | 6 | 6 | 4 | 6 | N | -65 | 135 | 0,1 | | | | | | |
| PUR | 1,50 | 6 | 6 | 3 | 4 | 4 | 3 | (J) | -50 | 90/100 | 5 | | | | | | |
| PETP | 0,50 | 5 | 5 | | | | 2 | J | -35 | 110 | 0,05 | | | | | | |
| TPE | | 6 | 6 | 3 | 3 | 3 | 2 | J | -50 | 100/130 | 1 | | | | | | |
| PFA | 0,01 | 7 | | 7 | 7 | 7 | 7 | N | -65 | 250 | 0,001 | | | | | | |
| X-PVC | | 4 | 5 | 3 | 3 | 4 | 5 | N | -35 | 70/90 105 enl UL | | | | | | | |
| X-PE | 0,10 | 6 | 4 | 3 | 3 | 3 | 3 | J | -50 | 90/125/135 150 enl UL | | | | | | | |
| NR | 1,00 | | | | | | 2 | N | | 70 | 0,5 | | | | | | |
| SIR | 1,00 | 5 | 2 | 2 | 1 | 1 | 5 | J | -65 | 180/200 | 0,5 | | | | | | |
| EPR | 1,00 | 5 | 4 | 3 | 3 | 2 | 3 | J | -65 | 90 | 1 | | | | | | |
| | | 4 | | | | | | | | | | 3 | 2 | 3 | J | -45 | 90 |
| EVA | 1,00 | 4 | 3 | 3 | 1 | 1 | 4 | J | -50 | 110/120 | 1 | | | | | | |
| CR | 1,00 | 5 | 5 | 5 | 5 | 2 | 5 | N | -30 | 90 | 0,1 | | | | | | |
| CSM | 1,50 | 6 | | 5 | 5 | 5 | 5 | N | -30 | 90 | 1 | | | | | | |
| FKM | | | | | | | 7 | N | | 210 | 0,1 | | | | | | |
| CM | | 6 | | 5 | 5 | 5 | 5 | | -30 | 90 | 0,5 | | | | | | |

- * 1 = dålig
- 2 = måttlig
- 3 = måttlig/god
- 4 = god
- 5 = god/mycket god
- 6 = mycket god
- 7 = excellent