

PVDF fasteners are used for their high purity and chemical resistance. Also known as Kynar, PVDF polymer finds a niche in applications that require a good balance of corrosion resistance and strength. Though they don't offer quite the resistance of PTFE or PFA, they are much stronger mechanically. In comparison, they offer improved corrosion resistance compared to PEEK, but less strength and high temperature capabilities. PVDF fasteners also provide high purity levels and perform well in pharmaceutical and semi-conductor applications.

Properties & Data

PVDF - Tensile Data

@ Room Temperature

| Material | Ultimate Tensile (psi) | Yield Strength (psi) |
|----------|------------------------|----------------------|
| PVDF | 5000-8000 | 6500-8000 |

Key Benefits

- Usable to 300°F / 150°C
- Good balance of corrosion resistance and strength
- High purity
- Corrosion resistant to many harsh chemicals
- Resistance to ultraviolet, nuclear radiation, and standard sterilization methods
- Resistance to weathering and fungi

PVDF CHEMICAL RESISTANCE COMPARISON

