

Ajedium™



SOLVAY

asking more from chemistry®

Ajedium™ Films

**SPECIALTY
POLYMERS**

Ajedium™ Films

Solvay Specialty Polymers manufactures films from a broad range of high-performance polymers to meet the exacting requirements for a wide range of industries. The combination of properties such as mechanical strength, chemical resistance, wear and abrasion resistance, electrical insulation and thermal properties make Ajedium™ Films particularly suited for demanding applications.

High-performance polymer films

| | | |
|------------|-------|----------------------------------|
| KetaSpire® | PEEK | Polyetheretherketone |
| AvaSpire® | PAEK | Polyaryletherketone |
| Radel® | PPSU | Polyphenylsulfone |
| Udel® | PSU | Polysulfone |
| Halar® | ECTFE | Ethylene chlorotrifluoroethylene |
| Solef® | PVDF | Polyvinylidene fluoride |
| Ixef® | PARA | Polyarylamide |
| | PEI | Polyetherimide |
| | TPI | Thermoplastic polyimide |
| | POM | Polyacetal |

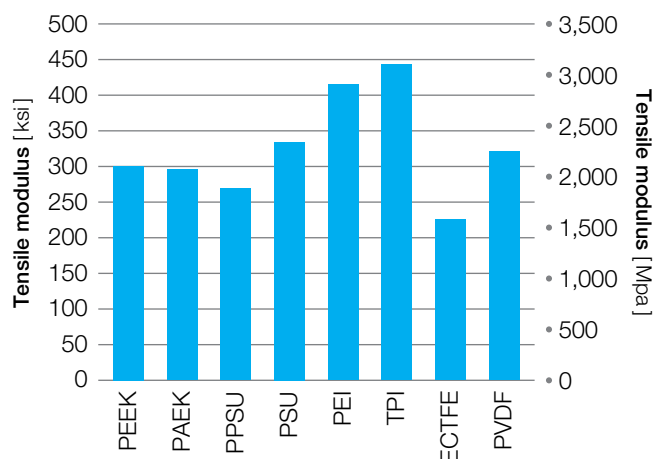
Global Markets Served

- Aircraft & Aerospace
- Alternative Energy
- Automotive
- Chemical Processing
- Consumer Goods
- Electrical/Electronics
- Healthcare
- Oil & Gas
- Packaging
- Pharmaceutical
- Semiconductor

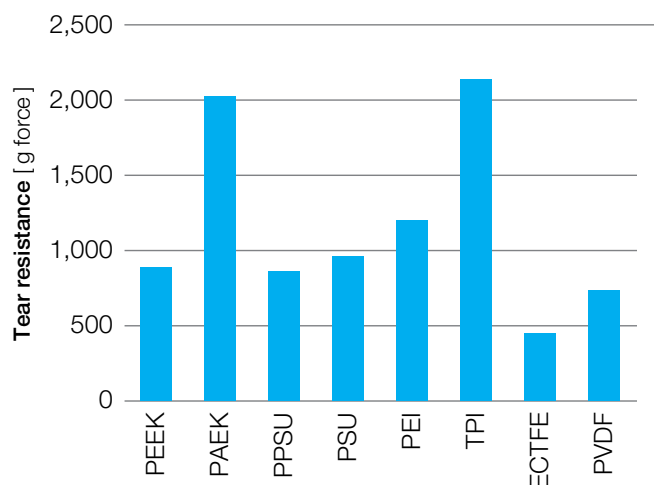
Key properties comparison

| | KetaSpire® PEEK | AvaSpire® PAEK | Radel® PPSU | PEI | TPI | Halar® ECTFE | Solef® PVDF |
|-----------------------|--------------------|-------------------|----------------|-----------|-----------|-----------------|----------------|
| Mechanical properties | Very good | Very good | Very good | Good | Excellent | Very good | Good |
| Chemical resistance | Excellent | Excellent | Good | Fair | Fair | Very good | Good |
| Tear resistance | Good | Excellent | Good | Very good | Excellent | Fair | Fair |
| Flammability | Very good | Excellent | Very good | Very good | Excellent | Excellent | Very good |
| Dielectric properties | Very good | Very good | Very good | Good | Good | Good | Excellent |

Tensile modulus comparison



Tear resistance comparison



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