

## Ultem® 1000 (Polyetherimide) Film Data Sheet

### Typical Properties - 30μ thick film tested

	Units	Method	Result
<b>THERMAL</b>			
Glass transition temperature	°C	-	217
Coefficient of thermal conductivity	W/m•K	-	0.122
<b>MECHANICAL</b>			
Tensile strength @ break	psi	ASTM D882	18,600
Tensile elongation @ break	%	ASTM D882	99
Tensile modulus	psi	ASTM D882	414,000
Dart impact	g	ASTM D1709-04	75
Tear strength, propagation	g force	ASTM D1922-06a	10
Tear strength, initiation	lbf/mil	ASTM D1004-07	2.41
<b>ELECTRICAL</b>			
Dielectric constant	@ 1kHz	ASTM D150-98	3.15
Dielectric breakdown	kV	ASTM D149-7a	5.9
Dielectric strength in air	V/mil	ASTM D149-7a	5,900
<b>OTHER</b>			
Specific gravity	-	ASTM D792	1.27
Water absorption (24 hr)	%@50°C•75%RH•24hr	ASTM D570	0.25

**Ajedium Films, a division of Solvay Solexis, Inc.**  
**100 Interchange Blvd.**  
**Newark, DE 19711**  
**(302) 452-6609**  
[www.ajedium.com](http://www.ajedium.com)