

# CS Hyde Company

1351 N. Milwaukee Ave., Lake Villa, IL 60046

Ph. 847-395-0325 Fax 847-395-0334

[sales@cshyde.com](mailto:sales@cshyde.com) / [www.cshyde.com](http://www.cshyde.com)

## PRODUCT INFORMATION

PEEK® FILM

37-\_\_F

### Applications for PEEK® Film:

- Aircraft interiors
- Automotive gaskets
- Helicopter rotor blades (leading edge)
- Transformer slot liners
- Copy machine components
- Hot melt adhesives
- Reed fuel valves
- Disk polishing carriers

### Advantages of PEEK® Film:

- Extremely high temperature resistance and continuous use temperature
- Excellent flexural and tensile properties
- Good abrasion and water erosion resistance
- Excellent chemical resistance
- Excellent electrical properties
- Hydrolytically stable
- FDA Approval / FDA 21 CFR 177.2415

	<u>Units</u>	<u>ASTM Test</u>	<u>Result</u>
<b><u>Mechanical</u></b>			
Tensile Strength @yield	psi	D882	17,400
Elongation @break	%	D882	50%
Tensile Modulus	psi	D882	391,500
Flexural Modulus	psi	D790	531,000
Tear Strength - prop.	g/mil	D1004	35
<b><u>Thermal</u></b>			
Continuous Use Temp.-UL	°F	-	464
Heat Deflection Temperature @264 psi	°F	D648	330
Melt Temp.-DSC	°F	-	644
Glass Transition Temp.	°F	D3418	289
<b><u>Flammability</u></b>			
UL Rating-UL94	-	-	VTM-1
L.O.1.	%	D2863	23
NBS Smoke	Dmax	E662	1
<b><u>Electrical</u></b>			
Surface Resistivity	Ohms	D257	1.8 x 10 <sup>5</sup>
Dielectric Strength @.003"	V/mil	D149	3,200
Dielectric Constant	1 KHz	D150	3.30
Dissipation Factor	10 KHz	D150	0.0026
<b><u>Other</u></b>			
Specific Gravity	-	D792	1.256
Water Absorption	%/24 hr.	D570	0.4
Refractive Index	-	-	-
Haze	%	D1003	0.5
Area Factor	in <sup>2</sup> /lb/mil	-	20,900