

Typical Properties of CIRLEX®

Property		Test Method
Physical		
Specific Gravity	1.42	
Mechanical		
Tensile Strength, (PSI)		ASTM D638
23°C	32490	
100°C	21400	
200°C	17400	
250°C	16500	
Tensile Modulus (KPSI)		ASTM D638
23°C	330	
100°C	488	
200°C	402	
250°C	381	
Tensile Yield Point @ 3% Elong. (PSI)		ASTM D638
23°C	6112	
200°C	5490	
Shear Strength, (PSI)		ASTM D3846
100°C	6400	
200°C	5400	
250°C	5000	

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Warranty	User is responsible for determining whether the product is fit for a particular purpose and suitable for user's application.
Limitation of Liability	Fralock will not be liable for any loss or damage arising from the product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

The above are average values representing the several different thicknesses tested between 0.006" and 0.125" thick.

Corporate Headquarters



28525 West Industry Drive | Valencia, CA 91355

1-800-372-5625 Local 661-702-6999

www.fralock.com

ISO & AS Registered

ITAR Compliant

Space Qualified

QPL MIL-DTL-83528

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Property	Test Method	
Thermal		
Thermal Conductivity		
W/m K	0.17	
CTE (23° - 350° C), $\mu\text{m/m } ^\circ\text{C}$		ASTM E831
in-plane	30	
thru-thickness	118	
Tg ($^\circ\text{C}$)	$\sim 351^\circ\text{C}$	
Specific Heat (J/g K)	1.09	
UL Rating	UL 94V0	UL File # - E39505
Outgassing		ASTM E 595
TML (%)	0.5	
CVCM (%)	<0.01	
Water Vapor Regain (%)	0.42	
Electrical		
Dielectric Strength		
V/mil	2790	
Dielectric Constant KHz		ASTM D150
DC @ 10KHz, 25°C	3.45	
Dissipation Factor	0.0040	

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