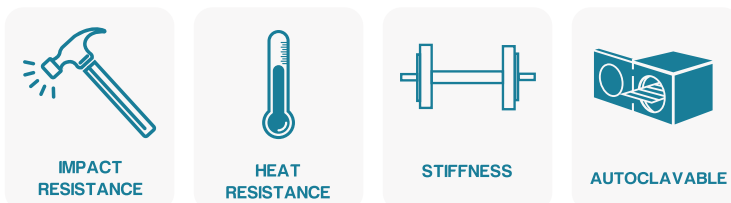


PPSU THERMALUX PPSU

Thermalux® is a Registered Trademark of Westlake Plastics Co.

Thermalux PPSU a superior combination of high performance properties that include excellent thermal stability, outstanding toughness, and good environmental stress cracking resistance.



Property	Units	Test Standard	Result
Mechanical			
Flexural Modulus	psi	ASTM D790	350,000
Flexural Strength	psi	ASTM D790	13,200
Mod Impact			
Notched @73°F	ft•lbs/in	ASTM D256	13.0
Un-Notched	ft•lbs/in	ASTM D256	No Break
Tensile Elongation			
@break	%	ASTM D638	60.0-120.0
@yield	%	ASTM D638	7.2
Tensile Impact	ft•lbs/in ²	ASTM D1822	190
Tensile Modulus	psi	ASTM D638	340,000
Tensile Strength @yield	psi	ASTM D638	10,100
Thermal			
Coefficient of Thermal Expansion	in/in/°F	ASTM D696	3.1x10 ⁻⁵
Flammability Rating @0.031"	—	UL94	V-0
Heat Deflection Temperature			
@66 psi	°F	ASTM D648	417
@264 psi	°F	ASTM D648	405
Thermal Conductivity	(BTU•in)/(hr•ft ² •°F)	ASTM E1530	2.08
Other			
Steam sterilization cycles passed without cracking*, crazing or rupture:			>1,000
Water Absorption @24hours	%	ASTM D570	0.37
Specific Gravity	—	ASTM D792	1.29

Applications Include:

- Dairy connectors
- Automotive fuses
- Food service trays
- Aircraft interior parts
- Sockets and connectors

Manufacturing Capabilities:



Colors:

Off white

In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

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