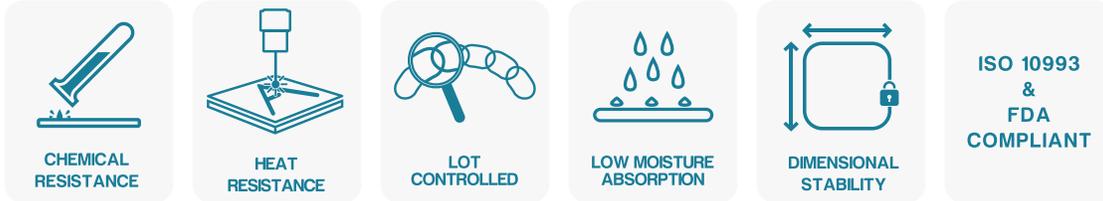


PROPYLUX[®] HS²

Life Science in Colors

Propylux[®] is a Registered Trademark of Westlake Plastics Co.

Medical grade Propylux HS2 is made from an FDA, USP VI compliant polypropylene resin. Through a unique heat-stabilizing process, the compression molded material is able to withstand higher temperatures with less water absorption than standard polypropylene. Recommended sterilization techniques for Propylux HS2 include steam autoclaving and cold sterilization.



The following physical property information is based on tests performed on compression molded sheet.

Applications Include:

- Cranio-maxillofacial trays
- Sterilization tray components

Manufacturing Capabilities:



Property	Units	Test Standard	Result
Mechanical			
Compressive Strength @yield	psi	ASTM D695	7,200
Flexural Modulus	psi	ASTM D790	2.59x10 ⁵
Flexural Strength	psi	ASTM D790	7,430
Tensile Modulus	psi	ASTM D638	2.61x10 ⁵
Tensile Strength @yield	psi	ASTM D638	5,130
Tensile Strength @break	psi	ASTM D638	4,470
Tensile Elongation @yield	%	ASTM D638	7
Tensile Elongation @break	%	ASTM D638	19
Izod Impact Strength Notched	ft-lbs/in	ASTM D256	1.6
Izod Impact Strength Un-Notched	ft-lbs/in	ASTM D256	22
Hardness	R Scale	ASTM D785	R94
Thermal			
Flammability	—	UL94	HB
Coefficient of Thermal Expansion	in/in/°C	ASTM D696	9.2x10 ⁻⁵
Heat Deflection Temperature @66 psi	°F	ASTM D648	293
Heat Deflection Temperature @264 psi	°F	ASTM D648	181
Other			
Specific Gravity*	—	ASTM D792	0.90
Water Absorption	%	ASTM D570	0.005

*As reported by FHR

Colors:

White WHV200 WM

Black BKV200 WM

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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