



## PROPYLUX<sup>®</sup> HS POLYPROPYLENE, HEAT STABILIZED

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

The following physical property information is based on typical values of the base polypropylene resin as well as test results from extruded rod.

### Applications:

- Provisional trials
- Instrument handles

### Advantages of Propylux HS:

- Excellent chemical resistance
- Laser markable
- Lot controlled and traceable
- Low moisture absorption
- Superior dimensional stability
- Base PP Resin USP VI compliant
- Base PP Resin, Colorants and Additives are FDA compliant and BSE/TSE free
- Shaped material ISO 10993-5, -10 P1/P2, and -11 tested

### Manufacturing Capabilities:

- **Rod:** 1/2" to 3.5" dia.

### Colors:

Natural*	NAV020
Black	BKV010
Dark Blue	BLV070
Light Blue	BLV080
Brown	BRV040
Neon Green	GRV080
Dark Green	GRV090
Grey	GYV110
Orange	ORV020
Red	REV050
Yellow	YEV060
White	WHV120
Aqua*	AQV020
Magenta*	MGV020
Violet*	VTV010
Rust*	RUV010

\* Only ISO 10993-5 tested

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

Property	Units	Test Standard	Result <sup>1)</sup>
<b>Mechanical</b>			
Compressive Strength @yield	psi	ASTM D695	8,000
Flexural Modulus	psi	ASTM D790	313,000
Flexural Strength	psi	ASTM D790	9,270
Hardness	R Scale	ASTM D785	R92
Izod Impact Strength			
Notched	ft·lbs/in	ASTM D256	.90
Un-Notched	ft·lbs/in	ASTM D256	NB
Tensile Elongation			
@break	%	ASTM D638	20% -60%
@yield	%	ASTM D638	4.6
Tensile Modulus	psi	ASTM D638	292,000
Tensile Strength			
@break	psi	ASTM D638	3,960
@yield	psi	ASTM D638	5,040
<b>Thermal</b>			
Flammability Rating @.060"	—	UL94	HB
CTE (68 °F to 274 °F)			
X direction	x 10 <sup>-6</sup> in/in/ °F	ASTM E831	108.2
Y direction	x 10 <sup>-6</sup> in/in/ °F	ASTM E831	111.3
Heat Deflection Temperature			
@66 psi	°F	ASTM D648	302
@264 psi	°F	ASTM D648	160
<b>Physical</b>			
Specific Gravity	—	ASTM D792	.90
Water Absorption @24 hours	%	ASTM D570	0.025

1) Typical values only, not to be construed as specifications. Properties will vary by color and variations within normal tolerances are possible for each color.