

Propylux® HS

Polypropylene
Westlake Plastics Company

Message:

Medical grade Propylux HS is made from an FDA 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.

Advantages:

- Excellent Chemical Resistance
- Laser Markable
- Lot controlled and traceable
- Low moisture absorption
- FDA Resin
- Superior Dimensional Stability

Applications:

- Provisional Trials
- Cranio-maxillofacial trays
- Sterilization tray components

General Information			
Additive	Heat Stabilizer		
Features	Autoclavable		
	Autoclave Sterilizable		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Heat Stabilized		
	High Heat Resistance		
	Laser Markable		
	Low Moisture Absorption		
Uses	Medical/Healthcare Applications		
	Sheet		
Agency Ratings	FDA Unspecified Rating		
Appearance	White		
Forms	Rod		
	Sheet		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.025	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	36.6	MPa	
Break	30.1	MPa	
Tensile Elongation			ASTM D638
Yield	10	%	
Break	40	%	
Flexural Modulus	2160	MPa	ASTM D790
Flexural Strength	63.9	MPa	ASTM D790
Compressive Strength	55.2	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Unnotched Izod Impact	1100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	152	°C	
1.8 MPa, Unannealed	80.0	°C	
CLTE - Flow	8.3E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT