

PROPYLUX® HS/HS2

PolyPropylene - Heat Stabilized (Improved) / PP - Heat Stabilized (Improved)



** PROPYLUX® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

- Rod : 3/8" - 4"
- Heavy Gauge Sheet : 1" - 2.5"

ADVANTAGES:

- Excellent Chemical Resistance
- Laser Markable
- Lot Controlled And Traceable
- Low Moisture Absorption
- FDA Resin
- Superior Dimensional Stability
- Propylux HS2 Better Heat And Dimensional Stability Over Propylux HS

PRODUCT COLORS:

- White
(Custom Color Available)

APPLICATIONS INCLUDE:

- Provisional Trials
- Cranio-Maxillofacial Trays
- Sterilization Tray Components

GENERAL PROPERTIES	ASTM or UL Test	PROPYLUX® HS Typical Values	PROPYLUX® HS2 Typical Values
PHYSICAL			
Specific Gravity (g/cm ³)	D792	0.92	0.92
Water Absorption, 24 hrs (%)	D570	0.025	0.01
MECHANICAL			
Tensile Strength at Yield (psi)	D638	5,310	4,970
Tensile Elongation at Yield (%)	D638	10	5
Compressive Strength at Yield (psi)	D695	8,000	6,880
Flexural Strength (psi)	D790	9,270	9,370
Flexural Modulus (psi)	D790	313,000	329,000
IZOD Notched Impact (ft-lb/in)	D256	1.5	3
IZOD Un-Notched Impact (ft-lb/in)	D256	21	No Break
Hardness, Rockwell R	D785	R101	R100
THERMAL			
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	4.6	4.37
Heat Deflection Temp (°F / °C) @ 264 psi	D648	176 / 80	201 / 94
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	-	-
Flammability Rating	UL-94	HB	HB
ELECTRICAL			
Surface Resistivity (ohms/sq)	D257	-	-
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	-	-
Static Decay, 15% RH (seconds)	MIL-B-81705-B	-	-

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.