

Propylux® Void-Free

Polypropylene
Westlake Plastics Company

Message:

Propylux is made from polypropylene resin. Among its most notable characteristics are its mechanical toughness, chemical resistance, and resistance to abrasion. These properties make it suitable for various applications. Propylux Natural, and Void Free are FDA compliant.

- Applications Include:
- Tanks/tank covers
 - Welding cabinetry
 - Etching rinse tubs
 - Glove boxes
 - Cutting board
 - Fan shrouds and blades
- Advantages of Propylux:
- Excellent chemical resistance
 - Superior dimensional stability
 - Low moisture absorption
 - Low density
 - Formable and weldable
 - FDA, USDA

General Information			
Features	Food Contact Acceptable		
	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Toughness		
	Low Density		
	Low Moisture Absorption		
	Weldable		
Uses	Tanks		
Agency Ratings	FDA Unspecified Rating		
	USDA Unspecified Approval		
Appearance	Colors Available		
	Natural Color		
	Translucent		
	White		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Water Absorption (24 hr)	< 0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus	1170	MPa	ASTM D638
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Flexural Modulus	896	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	90.6	°C	
1.8 MPa, Unannealed	35.6	°C	
Continuous Use Temperature	82.2	°C	
Melting Temperature	147	°C	ASTM D4591
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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