



PROPYLUX[®] 290 POLYPROPYLENE

Through process improvements and advanced engineering, Westlake Plastics introduces the next generation of heat-stabilized polypropylene. Propylux 290 is produced from an FDA polypropylene resin, and exhibits better heat and dimensional stability over standard polypropylene sheet products.

The following physical property information is based typical properties of the base resin and from tests performed on compression molded sheet.

Applications include:

- Tanks/tank covers
- Food strainers
- Hot fillers
- Welding cabinetry
- Etching rinse tubs
- Glove boxes
- Cutting board
- Fan shroud and blades

Advantages of Propylux 290:

- Excellent chemical resistance
- Low moisture absorption
- FDA resin
- Superior dimensional stability

Manufacturing Capabilities:

- **Sheet:** ³/₈" to 4" thick
- **Sheet sizes:** 24"x48, 48"x96", 48"x120"

Colors/Grades:

- Natural

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
Mechanical			
Compressive Strength @yield	psi	ASTM D695	7,120
Flexural Modulus	psi	ASTM D790	279,000
Flexural Strength	psi	ASTM D790	7,430
Hardness	R Scale	ASTM D785	R96
Izod Impact Strength—notched	ft·lbs/in	ASTM D256	1.1
Izod Impact Strength—unnotched	ft·lbs/in	ASTM D256	16
Tensile Elongation@break	%	ASTM D638	18
Tensile Elongation @yield	%	ASTM D638	6
Tensile Modulus	psi	ASTM D638	289,000
Tensile Strength @break	psi	ASTM D638	4,720
Tensile Strength @yield	psi	ASTM D638	5,270
Thermal			
Coefficient of Thermal Expansion	in/in/°F	ASTM D696	7.8x10 ⁻⁵
Heat Deflection Temperature @66 psi	—	UL94	117
Flammability Rating	—	UL94	HB
Other			
Specific Gravity	—	ASTM D792	.917
Water Absorption @24 hours	%	ASTM D570	0.003