

# Propylux<sup>®</sup> 290

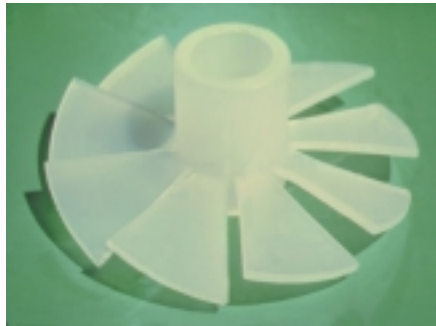
(polypropylene-heat stabilized)

Through process improvement and advanced engineering, Westlake Plastics introduces the next generation of heat-stabilized polypropylene. Propylux 290 is produced from a FDA approved homopolymer resin, and exhibits better heat and dimensional stability over Propylux.

The following physical property information is based on actual tests performed on this product.

|                                  | Units     | ASTM Test | Result                  |
|----------------------------------|-----------|-----------|-------------------------|
| <b>Mechanical</b>                |           |           |                         |
| Compressive Strength @yield      | psi       | D695      | 6,880                   |
| Flexural Modulus                 | psi       | D790      | 329,000                 |
| Flexural Strength                | psi       | D790      | 9,370                   |
| Hardness-Rockwell R              |           | D785      | R100                    |
| Izod Impact Strength             |           |           |                         |
| Notched                          | ft•lbs/in | D256      | 3.0                     |
| Un-Notched                       | ft•lbs/in | D256      | no break                |
| Tensile Elongation               |           |           |                         |
| @break                           | %         | D638      | 70.0                    |
| @yield                           | %         | D638      | 5.0                     |
| Tensile Modulus                  | psi       | D638      | 319,000                 |
| Tensile Strength                 |           |           |                         |
| @break                           | psi       | D638      | 4,230                   |
| @yield                           | psi       | D638      | 4,970                   |
| <b>Thermal</b>                   |           |           |                         |
| Coefficient of Thermal Expansion | in/in/°F  | D696      | 4.37 x 10 <sup>-5</sup> |
| Heat Deflection Temperature      |           |           |                         |
| @66 psi                          | °F        | D648      | 309                     |
| @264 psi                         | °F        | D648      | 201                     |
| Flammability Rating-UL94         | —         | —         | HB                      |
| <b>Other</b>                     |           |           |                         |
| Specific Gravity                 | —         | D792      | .92                     |
| Water Absorption @24hours        | %         | D570      | 0.01                    |

## Westlake Product Bulletin



### 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
- Lot controlled and traceable
- Low moisture absorption
- FDA resin
- Superior dimensional stability

### Manufacturing Capabilities:

#### Standard:

**Sheet:** 3/4" to 2 1/2" thick  
**Sheet Sizes:** 24"x48" 48"x96" 48"x120"

#### Non-Standard:

**Rod:** 3/8" to 4" diameter

### Colors/Grades:

Standard: Natural (custom colors available).

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

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