

## Westlake Plastics Propylux® 290 Polypropylene, Heat Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

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. 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 Information provided by Westlake Plastics Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-Plastics-Propylux-290-Polypropylene-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_Westlake-Plastics-Propylux-290-Polypropylene-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.920 g/cc	0.920 g/cc	ASTM D792
Water Absorption	0.010 % @Time 86400 sec	0.010 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength at Break	29.2 MPa	4230 psi	ASTM D638
Tensile Strength, Yield	34.3 MPa	4970 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Tensile Modulus	2.20 GPa	319 ksi	ASTM D638
Flexural Strength	64.6 MPa	9370 psi	ASTM D790
Flexural Modulus	2.27 GPa	329 ksi	ASTM D790
Compressive Yield Strength	47.4 MPa	6880 psi	ASTM D695
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	78.7 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	43.7 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	154 $^\circ\text{C}$	309 $^\circ\text{F}$	ASTM D648

Thermal Properties <small>Deflection Temperature at 1.8 MPa (264 psi)</small>	Metric	English	Comments
Flammability, UL94	HB	HB	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China