



China Array Plastics LLC

Injection Molders of High Performance Thermoplastics

The Clock Tower Building
75 Church Street
Pittsfield, MA 01201 USA
Phone: 413-499-9890
Fax: 917-591-6511
E-mail: chinaarray@gmail.com

Zhuankou Industrial Park, Building #A
Wuhan Economic & Technological Zone
Wuhan, Hubei Province, China 430056
Phone: (86)-27-84296090
Fax: (86)-27-84296090
E-mail: liqinren@gmail.com

Application: Vapor-Tight Globe Lighting Enclosures for use in applications where containment of shattered glass is important

High Heat Thermoplastic Globe To Replace Teflon Coated Glass Globes



*Teflon Coated
Glass Globe*



*China Array High Heat
Thermoplastic Globe*

China Array introduces a new high heat thermoplastic vapor-tight protective globe for industrial light fixtures. The High Heat Thermoplastic Globe replaces Teflon coated glass globes in food, beverage and pharmaceutical processing applications where containment of shattered glass is required to protect workers and products (especially food) from contamination from broken glass.

Until now, the only option in these applications has been the traditional Teflon coated glass globe. China Array, utilizing newly introduced high heat thermoplastics, has created a globe with the advantages of glass, plus the added benefits of thermoplastics. The globe is shatter-proof, has a higher lumen output, and is lighter weight than Teflon coated glass globes. It is chemical and heat resistant and can be molded in various colors. For added protection, the China Array Globe is treated with a protective coating of polysiloxane (silicone) hard coating giving it a glass-like, non-stick surface that is easily cleaned and UV resistant.

Manufacturing in China Since 1980

<http://www.chinaarray.com>

Breakthrough High Heat, Clear Thermoplastics Open New Applications

China Array's Globe, made from a new high heat, clear thermoplastic, can be used in lighting applications up to a maximum of 100 watts. Standard polycarbonate globes, commonly used in refrigeration, are typically rated to a maximum of 75 watts due to lower temperature resistance. Historically, the trade off between different types of thermoplastics has been between clarity and heat resistance. Polycarbonate is clear, but limited to applications of less than 75 watts because of low temperature resistance. High heat thermoplastics were slightly tinted thereby limiting their use in lighting applications. The development of clear, high heat thermoplastics opens a range of lighting applications not possible before. Its light weight, cleanability, toughness and transparency make the China Array globe a perfect fit for applications such as food and beverage processing, construction, marine and industrial lighting. And, it has a lower installed cost than Teflon coated globes.

Features and Benefits

- Shatter Proof
- Chemical and Heat Resistant
- Lighter than Glass
- Hard, Glass-Like Finish
- High UV Protection
- Higher Lumen Output
- Lower Installed Cost

Specifications

- 100 Watt Maximum
- Fits Standard Industry Fixtures
- Thread size 3 5/16
- Continuous Use Temperature: 284 degrees F.
- Vapor Proof Lock

