

Recommendations for Selecting High-Temperature Resistant Types of Folding Containers

Source: <https://angulate.co.za/Mon-18-Sep-2017-4511.html>

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Generated on: 2026-02-14 10:49:09

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What are the applications of plastics in high temperature and low temperature environments?

Applications for plastics in high temperature and low temperature environments include: Cryogenic biotechnology machinery, spaceflight hardware, and low temperature physics equipment are sometimes required to operate at extremely cold temperatures.

What is a high temperature label?

Temperature ratings can range from 50 degrees Celsius (122 degrees Fahrenheit) to 240 degrees Celsius (464 degrees Fahrenheit), depending on the plastic material. High-temperature labels are typically reserved for plastics with a maximum operating temperature of 300 degrees Fahrenheit or higher.

What temperature can PTFE withstand?

Discovered by accident at DuPont in 1938, PTFE can withstand continuous service temperatures of 500°F (280°C). And despite what was said just now about flame retardancy, PTFE also boasts an admirable V-0 rating. It's hydrophobic (repels water), has one of the lowest coefficients of friction possible (makes it extremely slippery).

Selecting the best to-go containers for hot food ensures meal quality, enhances customer satisfaction, and reflects positively on your brand. This guide offers a detailed ...

Here are eight high-temperature polymers you should know about. If you've ever left a Rubbermaid food container in the microwave oven a bit too ...

This guide dives into the realm of high-temperature, heat-resistant plastics, distinguishing between amorphous and semi-crystalline types, and highlighting the elite ...

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Discover how temperature affects different types of plastic clamshell containers in this comprehensive guide covering freezer ...

Extreme-temperature process totes and lids withstand large fluctuations and differentials in temperature. They store and cover hot items during transport from a production line.

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Instead of having to constantly look up which container materials are appropriate for your meals, you can use our guide to help you decide what type of container is best for each ...

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These polypropylene totes are chemically resistant to acids, alkalis, oils, and detergents. The tough, smooth surface won't chip and is mildew-proof.

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In this blog post, we'll explore the benefits, types, safety, features and tips for choosing the ideal disposable containers with lids for hot food, whether you're in the food service industry or just ...

Mechanical property changes, the rate of thermal degradation, creep behavior, and the coefficient of thermal expansion are all important considerations when selecting a plastic material for use ...

Often, traditional plastic materials are made more heat-resistant by adding something to them to increase their resistance to high temperatures. Here is a closer look at some of the more ...

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