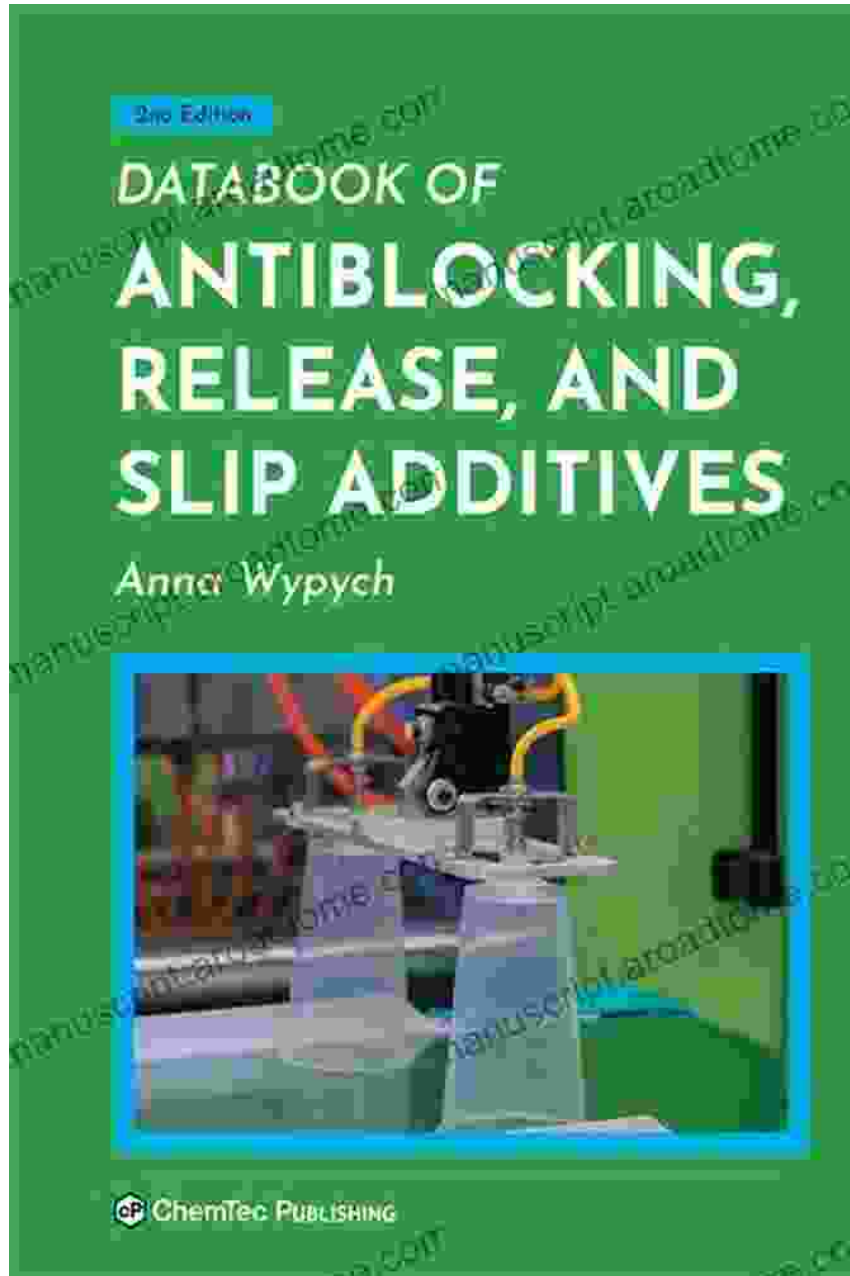


Databook of Antiblocking Release and Slip Additives



The Ultimate Guide to Lubricants and Additives

The Databook of Antiblocking Release and Slip Additives is the definitive guide to lubricants and additives for the plastics industry. This

comprehensive resource provides detailed information on the types of lubricants and additives available, their properties, and applications. It also includes a directory of suppliers of lubricants and additives.



Databook of Antiblocking, Release, and Slip Additives

by Cecly Ann Mitchell

★★★★★ 5 out of 5

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Enhanced typesetting : Enabled
File size : 16413 KB
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Table of Contents

-
- Types of Lubricants and Additives
- Properties of Lubricants and Additives
- Applications of Lubricants and Additives
- Directory of Suppliers

Lubricants and additives are essential components of plastics processing. They play a vital role in reducing friction and wear, preventing sticking, and improving the flow of plastic materials. The proper selection and use of lubricants and additives can significantly improve the efficiency and productivity of plastics processing operations.

Types of Lubricants and Additives

There are many different types of lubricants and additives available for use in plastics processing. The most common types include:

- **Internal lubricants** are added to the plastic resin before processing. They help to reduce friction and wear between the plastic molecules, which can improve the flow of the material and reduce the risk of sticking.
- **External lubricants** are applied to the surface of the plastic material after processing. They help to reduce friction between the plastic and the processing equipment, which can prevent sticking and improve the appearance of the finished product.
- **Slip agents** are added to the plastic material to reduce the coefficient of friction between the plastic and other surfaces. This can improve the flow of the material and reduce the risk of sticking.
- **Antiblocking agents** are added to the plastic material to prevent the individual particles from sticking together. This can improve the flow of the material and reduce the risk of blocking in the processing equipment.

Properties of Lubricants and Additives

The properties of lubricants and additives vary depending on the type of material. However, some of the most important properties include:

- **Coefficient of friction** is a measure of the resistance to sliding between two surfaces. A lower coefficient of friction indicates a more slippery surface.

- **Melting point** is the temperature at which the lubricant or additive melts. A higher melting point indicates a more stable material.
- **Boiling point** is the temperature at which the lubricant or additive boils. A higher boiling point indicates a more stable material.
- **Flash point** is the temperature at which the lubricant or additive ignites. A higher flash point indicates a more stable material.
- **Compatibility** is the ability of the lubricant or additive to mix with other materials. A more compatible material will be easier to use and will not cause any problems with the plastic material.

Applications of Lubricants and Additives

Lubricants and additives are used in a wide variety of plastics processing applications. Some of the most common applications include:

- **Injection molding**
- **Extrusion**
- **Blow molding**
- **Thermoforming**
- **Coating**
- **Adhesives**

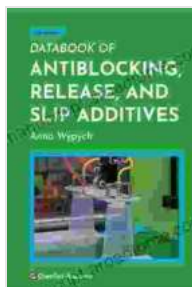
Directory of Suppliers

The Databook of Antiblocking Release and Slip Additives includes a directory of suppliers of lubricants and additives. This directory provides

contact information for suppliers of a wide variety of materials, including internal lubricants, external lubricants, slip agents, and antiblocking agents.

The Databook of Antiblocking Release and Slip Additives is the definitive guide to lubricants and additives for the plastics industry. This comprehensive resource provides detailed information on the types of lubricants and additives available, their properties, and applications. It also includes a directory of suppliers of lubricants and additives.

The Databook of Antiblocking Release and Slip Additives is an essential resource for anyone involved in the plastics industry. It is a valuable tool for selecting and using the right lubricants and additives to improve the efficiency and productivity of plastics processing operations.



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