

# OPTIBLOC<sup>®</sup> 325 Clarity Antiblock

## Antiblock for High Clarity Films



### Description

OPTIBLOC<sup>®</sup> 325 antiblock is uniquely engineered for film applications where optical properties are critical. The product is designed to provide an excellent balance of antiblocking and optical properties.

### Features and Benefits

Films formulated with OPTIBLOC<sup>®</sup> 325 antiblock have excellent antiblocking efficiency and provide high clarity with low haze. OPTIBLOC<sup>®</sup> 325 antiblock also exhibits low interactions with stabilizers, slip agents and processing aids, allowing film formulations with low coefficient of friction, excellent stability and good color. The ease of dispersion makes it suitable for use via direct addition, as a masterbatch or in high active concentrates.

### Typical Applications

OPTIBLOC<sup>®</sup> 325 is used in film applications for food, where the clarity of the film is an important part of the packaging requirements. OPTIBLOC<sup>®</sup> 325 antiblock provides the high clarity without sacrificing the antiblocking properties of the film. Typical applications include:

- Food packaging for meats, cheese, baked goods, etc.
- High clarity stretch and shrink films
- High performance clear bags

### Formulation Recommendations

OPTIBLOC<sup>®</sup> 325 antiblock has been optimized for use in LDPE and LLDPE based films, but can also be used in PP films. Depending on the formulation and application requirements, typical OPTIBLOC<sup>®</sup> 325 loading levels can range from 3000–7000 ppm. Optimal performance can be achieved by using OPTIBLOC<sup>®</sup> 325 in combination with slip agents.

### Typical Properties

Average Particle Size (microns)	5
Dry Brightness (Hunter Y, Rd value)	>90
Moisture Content (%)	<0.5
Loss on Ignition (%)	<1
Specific Gravity	2.65
Bulk Density (lbs/ft <sup>3</sup> )	40
Bulk Density (grams/cm <sup>3</sup> )	0.6
Tap Density (lbs/ft <sup>3</sup> )	60
Tap Density (grams/cm <sup>3</sup> )	1.0



All products are sold on the understanding that the user is solely responsible for determining their suitability for the intended use. All information given and recommendations made herein are based upon our research and are believed to be accurate, but no guarantee, either expressed or implied, is made with respect thereto or with respect to the infringement of any patent. SMI MAKES NO WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH ANY SALE OF THE PRODUCTS DESCRIBED HEREIN. Inconsistent terms and conditions contained in Buyer's purchase order shall not be binding on SMI unless reflected in writing signed by SMI/BMI's representative. The information contained herein is not to be copied or otherwise used in any publication, in whole or in part, without written permission from Specialty Minerals Inc.

OPTIBLOC<sup>®</sup> is a registered trademark of Minerals Technologies Inc. or its subsidiaries.