Specialty MINERALS

- Talc
- GCC
- PCC for Paper
- Specialty PCC

Barretts Minerals Inc.
A subsidiary of Specialty Minerals Inc.

Technical Data

OPTIBLOC® 25 clarity antiblock

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for High Clarity Film Applications

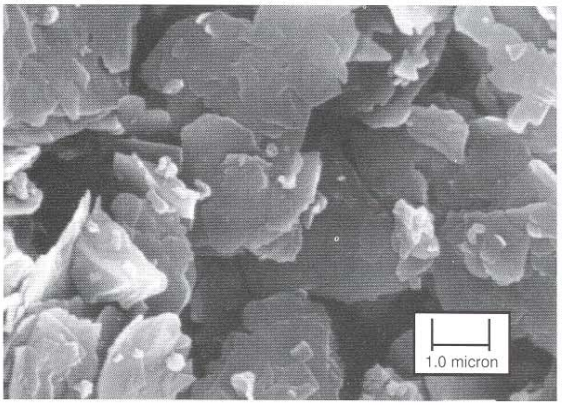
Specialty Minerals Inc. (SMI), the industry pioneer in talc antiblocks, has now commercialized OPTIBLOC® clarity antiblock for film applications where optical properties are critically important. Film resins formulated with OPTIBLOC® clarity antiblock exhibit high film clarity, low haze, and low blocking force. OPTIBLOC® clarity antiblock also exhibits low interaction with stabilizers, slip agents, and processing aids, allowing formulation of film resins with good color, excellent stability, low coefficient of friction, and the lowest overall additive costs. OPTIBLOC® clarity antiblock's low abrasivity and ease of dispersion make it suitable for use via direct addition, as a masterbatch, or in non-dusting, 100% active concentrations.

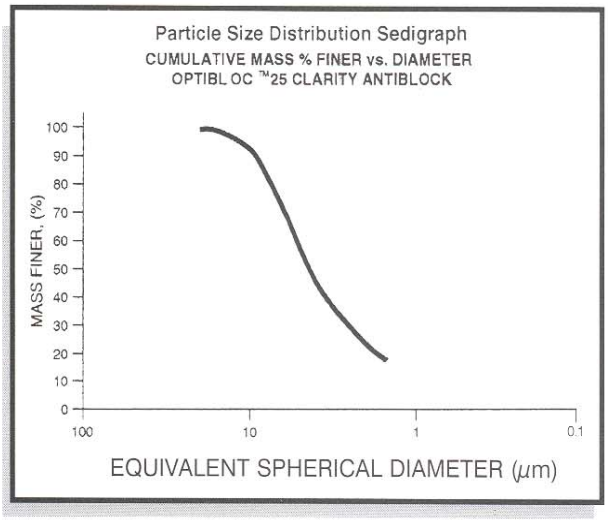
Typical Properties

Average Particle Size (microns)	4.0
Dry Brightness (Hunter Y, Rd value)	89
Specific Gravity	2.7
Bulk Density (lb/ft³)	22
(g/cm³)	0.35
Tapped Density (lb/ft³)	47
(g/cm³)	0.75
Surface Area (m^2/gm)	6

Chemical Composition
(typical)

Silicon Dioxide	SiO_2	68%
Magnesium Oxide	MgO	15%
Aluminum Oxide	Al_2O_3	8%
Other Oxides		4.5%
Iron As	Fe_2O_3	<1.0%
Loss on Ignition	L.O.I.	3.0%
Moisture (% weight loss @ 110° C)	H_2O	<0.5%





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