

# TALC

## CLEAR-BLOC® 80

(CENTRAL)

**CLEAR-BLOC® 80** talc, produced from high purity ore provides high brightness, clarity, low iron content, and low surface area for primary use as an anti-block additive in LDPE and LLDPE film applications where superior blocking, greater polymer stability and improved optical properties are required. **CLEAR-BLOC® 80** talc is platy, hydrophobic, non-abrasive, chemically inert and is suitable for food contact applications.

| Product Description  | CLEAR-BLOC® 80 |
|--|----------------|
| Median Particle Size (microns)<br>Micromeritics Sedigraph 5100 | 3.5            |
| @ 90% (microns)  | 9              |
| @ 10% (microns)  | 1.5            |
| Dry Brightness<br>Photovolt Hunter L                           | 92             |
| Oil Absorption (gm oil/100 gm filler)<br>ASTM – D 281          | 36             |
| Bulk Density   |                |
| Loose (lbs/ft <sup>3</sup> )                                   | 18             |
| Tapped (lbs/ft <sup>3</sup> )                                  | 45             |
| Hegman Fineness<br>ASTM D 1210                                 | 6              |

| Typical Chemical Analysis |                                | (WT) % |
|---------------------------|--------------------------------|--------|
| Silicon Dioxide           | SiO <sub>2</sub>               | 60     |
| Magnesium Oxide           | MgO                            | 30     |
| Calcium Oxide             | CaO                            | <1     |
| Aluminum Oxide            | Al <sub>2</sub> O <sub>3</sub> | <1     |
| Iron As                   | Fe <sub>2</sub> O <sub>3</sub> | <1     |
| Loss on Ignition          | LOI                            | 6      |

| Typical Properties |      |
|--------------------|------|
| Specific Gravity   | 2.78 |
| Refractive Index   | 1.57 |
| Moisture %         | 0.3  |
| pH                 | 8.7  |
| Mohs Hardness      | 1.0  |

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