

FlexTalc® Series Talc Products

Cimbar Performance Minerals' **FlexTalc®** products are an ultrafine talc product line specifically engineered for use in high performance TPO applications. **FlexTalc®** products are made by a proprietary process that results in talc products which have very high aspect ratios, are easily dispersed, provide unmatched heat aging and offer exceptional compounded color. They are available in powder and compacted (D) forms, lightly compacted (LD) and sized/compacted (DS).

| Product Description Typical Values | FlexTalc® Series Talc Products | | | |
|---|--------------------------------|------|-----|------|
| | 610 | 610D | 815 | 815D |
| Median Particle Size (microns) | 1.2 | 1.2 | 2.0 | 2.0 |
| Topsize PSD 98% (microns) | 6 | 6 | 8 | 8 |
| Dry Color (L) CIE Lab (min) | 97 | 96 | 97 | 96 |
| Wet Color (L) | 75 | 75 | 75 | 75 |
| Oil Absorption (gm oil/100 gm filler) ASTM – D 281 | 60 | 60 | 56 | 56 |
| Bulk Density Loose (lbs/ft ³) | 6 | 43 | 10 | 55 |
| Hegman Fineness | 7+ | 7+ | 7 | 7 |

D = Densified

| Typical Chemical Analysis | | (WT) % |
|---------------------------|--------------------------------|--------|
| Silicon Dioxide | SiO ₂ | 60 |
| Magnesium Oxide | MgO | 30 |
| Calcium Oxide | CaO | <1 |
| Aluminum Oxide | Al ₂ O ₃ | <1 |
| Iron As | Fe ₂ O ₃ | <1 |
| Loss on Ignition | LOI | 6.5 |
| Typical Properties | | |
| Specific Gravity | | 2.78 |
| pH | | 8.7 |
| Moisture, % | | 0.35 |

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. The data is offered in good faith and typical of normal production. CPM 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 CPM unless reflected in writing signed by CPM'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 Cimbar Performance Minerals