



## OceanCal

OceanCal™ powder is very pure, ground, oolitic aragonite sand (biogenic calcium carbonate) treated with or without steric acid. It's unique crystalline structure, high purity and consistency offer economic and performance benefits. OceanCal is designed for direct powder applications such as PVC, adhesives, paint and additives. Products made with OceanCal benefit the environment by reducing the carbon footprint associated with (mining and processing) other forms of calcium carbonate.



Made from Ocean



Sustainable



70%  
Reduced Oil



Renewable

## OceanCal Product Data

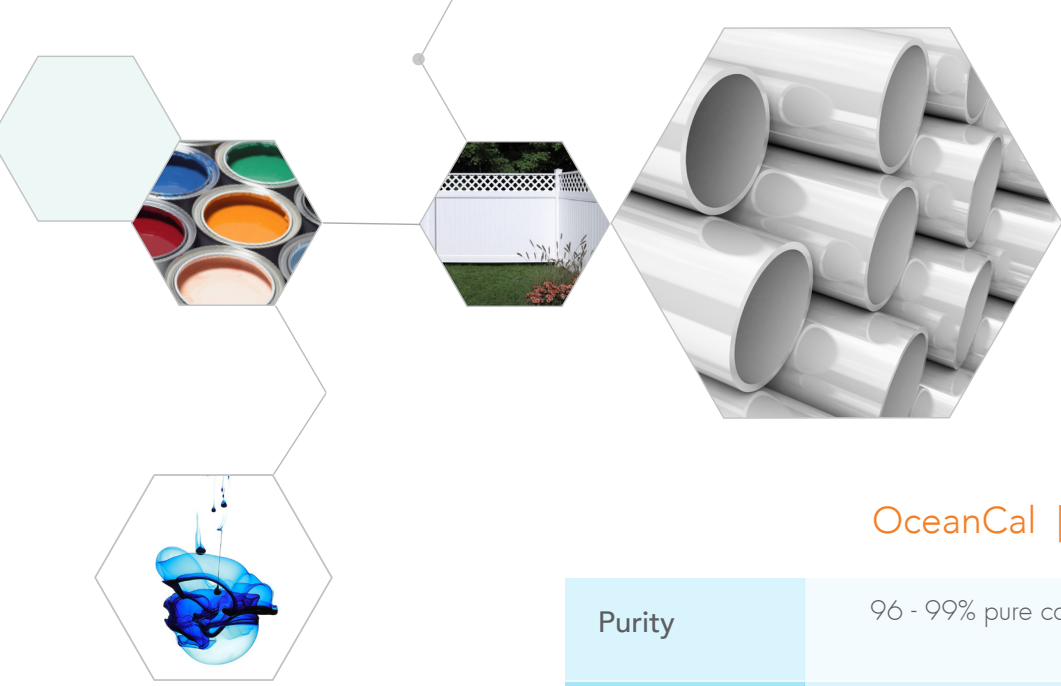
| physical         | typical value |
|------------------|---------------|
| moisture loss    | @110 °C       |
| hardness (mohs)  | 3.5 - 4.0     |
| brightness       | 82 - 86       |
| specific gravity | 2.8           |

| property                    | typical value               |
|-----------------------------|-----------------------------|
| mean particle size (D50)    | 3 µm                        |
| topside particle size (D90) | 10 µm                       |
| bulk density                | 42 lbs. per ft <sup>3</sup> |
| calcium carbonate           | 96 - 98% crystal            |

OceanCal is typically ground to a Mean Particle size (D50) 3 micron and Topside Particle size (D90) 10 micron which is suitable for most direct-feed processing applications.

## Suitable Applications

|                              |                      |
|------------------------------|----------------------|
| Plastics Manufacturing (PVC) | Acid Neutralizers    |
| Pharmaceuticals              | Paints Inks          |
| Nutraharmaceuticals          | Coatings             |
| Acid Neutralizers            | Adhesives & Sealants |



**Suitable Applications**

- Plastics Manufacturing (PVC)
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**OceanCal | Manufacturing Benefits**

|                               |   |
|-------------------------------|---|
| <b>Purity</b>                 | 96 - 99% pure calcium carbonate   |
| <b>Economics</b>              | Cost effectiveness of reducing dependence on expensive finite resources                         |
| <b>Sustainable</b>            | Continually precipitates naturally in the ocean, making OceanCal a renewable resource           |
| <b>Renewable Resource</b>     | USDA confirms oolitic aragonite as a renewable resource as proven through carbon dating         |
| <b>Supply</b>                 | Unrestricted supply with exclusive access   |
| <b>Homogeneous Dispersion</b> | Improves processing, product performance and quality  |
| <b>Product Performance</b>    | Improves tensile strength, heat deflection, greater thermo performance and product down-gauging |
| <b>Processing Quality</b>     | Consistency of color, even dispersion, and performance offer improved material quality          |
| <b>FDA Approved</b>           | Calcean is comprised of FDA approved calcium carbonate, which is GRAS certified                 |