Polymers and Construction

# Omyaloop™ FC

## Certified recycled calcium carbonate for the material science industry



THINKING OF TOMORROW

# Omyaloop™ FC

## Recycled calcium carbonate for more sustainable products

Calcium carbonate is well known in the material science industry as a mineral modifier, offering different functionalities and optimizing overall cost.

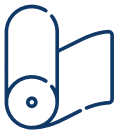
To meet the recent and stringent demand of the material science industry for more recycled materials, Omya has developed a new recycled calcium carbonate that complies with the EU10/2011 food contact certification, enabling its use in all food contact applications.

For its Omyaloop FC product range, Omya uses highly selected recovered materials that would otherwise be disposed of as waste. As a result, the product has obtained Bureau Veritas certification as a 100% recycled material.

Thanks to the new and broad product portfolio, currently used mineral fillers can be substituted by Omyaloop FC in many existing extrusion recipes, thereby improving both the sustainability and the recycled content of the final product.



**Rigid**



**Flexible**



**Rubbers & elastomers**



**Recycling**



**Foaming**

The product range presented here reflects a current selection of certified offerings.
As additional products undergo certification, they are continuously integrated into our portfolio.

**Grade selection:**

| Production plant | Grade name | Recycled | D50 % (µm) | D98 % (µm) | CIE L* |
|---|---|---|---|---|---|
| **Avenza Italy** | Omyaloop 1 FC-AV | 100% | 1.7 | 8 | 98 |
| | Omyaloop 1T FC-AV | 100% | 1.7 | 8 | 98 |
| | Omyaloop 2 FC-AV | 100% | 2.5 | 15 | 98 |
| | Omyaloop 2T FC-AV | 100% | 2.5 | 15 | 98 |
| | Omyaloop 5 FC-AV | 100% | 5 | 30 | 97.5 |
| | Omyaloop 10 FC-AV | 100% | 10 | 50 | 97.5 |
| | Omyaloop 15 FC-AV | 100% | 15 | 100 | 97 |
| | Omyaloop 20 FC-AV | 100% | 18 | 50 | 97 |
| | Omyaloop 30 FC-AV | 100% | 35 | 130 | 96.5 |
| | Omyaloop 50 FC-AV | 100% | 40 | 150 | 96 |
| **Vipiteno Italy** | Omyaloop 25 FC-SV | 100% | 28 | 150 | 95 |
| | Omyaloop 40 FC-SV | 100% | 40 | 200 | 95 |
| | Omyaloop 160 FC-SV | 100% | 160 | 500 | 92 |

| Production plant | Grade name | Recycled | D50 % (µm) | D98 % (µm) | CIE L* |
|---|---|---|---|---|---|
| **Blaubeuren, Germany** | Omyaloop 15 FC-AL | 100% | 6 | 100 | 93 |
| | Omyaloop 25 FC-AL | 100% | 21 | 180 | 91 |

| Production plant | Grade name | Recycled | D50 % (µm) | D98 % (µm) | CIE L* |
|---|---|---|---|---|---|
| **Salses, France** | Omyaloop 1 FC-SL | >95% | 2.2 | 9 | 98 |
| | Omyaloop 2 FC-SL | >95% | 3.5 | 15.5 | 97 |
| | Omyaloop 5 FC-SL | >95% | 6.2 | 25 | 96.5 |
| | Omyaloop 10 FC-SL | >95% | 10.5 | 45 | 96.5 |
| | Omyaloop 20 FC-SL | > 95 % | 20 | 80 | 96 |
| | Omyaloop 25 FC-SL | >95% | 27 | 90 | 94.5 |

| Production plant | Grade name | Recycled | D50 % (µm) | D98 % (µm) | CIE L* |
|---|---|---|---|---|---|
| **Pomezi, Czech Republic** | Omyaloop 1 FC-PZ | 100% | 2.1 | 9.2 | 97.5 |
| | Omyaloop 1T FC-PZ | 100% | 2.1 | 9.6 | 97 |
| | Omyaloop 2 FC-PZ | 100% | 2.8 | 13.4 | 97.4 |
| | Omyaloop 2T FC-PZ | 100% | 2.8 | 13.3 | 97 |
| | Omyaloop 5 FC-PZ | 100% | 6 | 29 | 97 |

| Production plant | Grade name | Recycled | D50 % (µm) | D98 % (µm) | CIE L* |
|---|---|---|---|---|---|
| **Voislova, Romania** | Omyaloop 1 FC-VO | 100% | 2.2 | 10 | 98 |
| | Omyaloop 1T FC-VO | 100% | 2.2 | 10 | 98 |
| | Omyaloop 2 FC-VO | 100% | 2.8 | 12 | 98 |
| | Omyaloop 2T FC-VO | 100% | 2.8 | 12 | 98 |
| | Omyaloop 5 FC-VO | 100% | 5.5 | 27 | 98 |
| | Omyaloop 25 FC-VO | 100% | 27.5 | 175 | 97.5 |
| | Omyaloop 180 FC-VO | 100% | 160 | 500 | 97 |

| Production plant | Grade name | Recycled | D50 % (µm) | D98 % (µm) | CIE L* |
|---|---|---|---|---|---|
| **Arboç, Spain** | On demand | 100% | | | |
| **Belchite, Spain** | On demand | 100% | | | |
| **Purchena,Spain** | Omyaloop 2 FC-PU | 100% | 3 | 14 | 97 |
| **Soure, Portugal** | Omyaloop 1 FC-OU | 100% | 0.9 | 4 | 98.5 |
| | Omyaloop 1T FC-OU | 100% | 0.9 | 4 | 98.5 |
| | Omyaloop 2 FC-OU | 100% | 1.3 | 8 | 98.5 |
| | Omyaloop 2T FC-OU | 100% | 1.3 | 8 | 98.5 |
| | Omyaloop 50 FC-OU | 100% | 50 | 100 | 92 |

| Production plant | Grade name | Recycled | D50 % (µm) | D98 % (µm) | CIE L* |
|---|---|---|---|---|---|
| **Arandjelovac, Serbia** | Omyaloop 25 PC-AJ | 25% | 26 | 195 | 97.5 |

| Production plant | Grade name | Recovered $CaCO_3$ content | D50 % (µm) | D98 % (µm) | CIE L* |
|---|---|---|---|---|---|
| **Gebze, Turkey** | Omyaloop 1T PC-GZ | yes | 2.3 | 9 | 98 |
| | Omyaloop 5 PC-GZ | yes | 5.5 | 27.5 | 98 |

# Omyaloop™

## Recycled calcium carbonate

Advancing circularity worldwide - a network of Omyaloop™ plant locations transforming materials into high value solutions with trusted quality.




**Benefits**

- ✓ 100% recycled content
- ✓ ISO 14021 certificate from Bureau Veritas
- ✓ Meets EU 10/2011 food contact requirements
- ✓ Increases the recycled content of the final product
- ✓ Low LCA (Life Cycle Assessment)

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Source: Omya International (2026/05)