ALMISIL® C FOR TRANSPARENT POLYMERS

Product Properties

ALMISIL C is a product based on sodium-rich tectosilicate, which is especially suitable filler for transparent and translucent applications. Products with different particle sizes are available. High smooth surface, good translucence or even transparency are achieved in spite of filling. The row materials for the production of ***ALMISIL C*** are characterized by very low iron amount and heavy metals quantity below detection limit.

KEEP TRANSPARENCY, SAVE COST

Key Benefits at a glance

- Acts as inert filler
- Keeps transparency of filled systems
- Reduction of cost
- High whiteness
- Improves of the abrasion resistance
- High filling degrees are possible
- Iron content is very low
- Heavy metals below detection limit

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Introduction

ALMISIL C is a high-white sodium-rich tectosilicate with prismatic crystal lattice. Smooth surfaces, good translucency or even transparency are achieved in resins, plastics and silicones. In floor coatings and weather-resistant paints high abrasion resistance will be achieved with ***ALMISIL C***.

Chemical and Physical Data

Composition:	Sodium-rich tectosilicate
Amount of ZnO, NiO, PbO, MnO, BaO	Below detection limit
Amount of CuO, TiO_2, Fe_2O_3	< 0,02 %
Activity:	100 % active by weight
Color:	White
Form:	Powder
Mohs hardness:	6 %

Product	D_{50} [µm]	Ry	Oil adsorption value [g/100 g]	Bulk density [g/cm³]
ALMISIL C 2	2	96	38	0,6

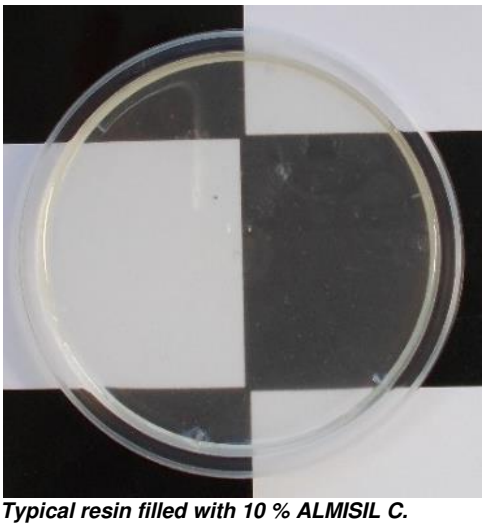
Application examples

Resins:

- Keep transparency
- Design translucency

Thermoplastics:

- Keep transparency
- Optimize translucent plastics



Typical resin filled with 10 % ALMISIL C.

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