



**PRODUCT: *IOKALIT TYP 5C* Surface Treated**

**DESCRIPTION:**

Produced by processing natural finest microcrystalline Calcium Carbonate. In process mixing of high purity selected chalk deposits results in a very fine and white product. *IOKALIT TYP 5C* is specially surface treated and renders its particle hydrophobic allowing larger compatibility with synthetic polymers, also ease of dispersion, moisture repellency, lubrication, weather and aging resistance, low oil and DOP absorption. This product offers good mechanical properties and allows high grade loading for the end product.

<b>CHEMICAL ANALYSIS:</b>	CaCO <sub>3</sub> ≥ 99.0 %	MgO ≤ 0.15 %
	SiO <sub>2</sub> ≤ 0.05 %	Fe <sub>2</sub> O <sub>3</sub> ≤ 0.01 %
	HCl insoluble ≤ 0.1 %	

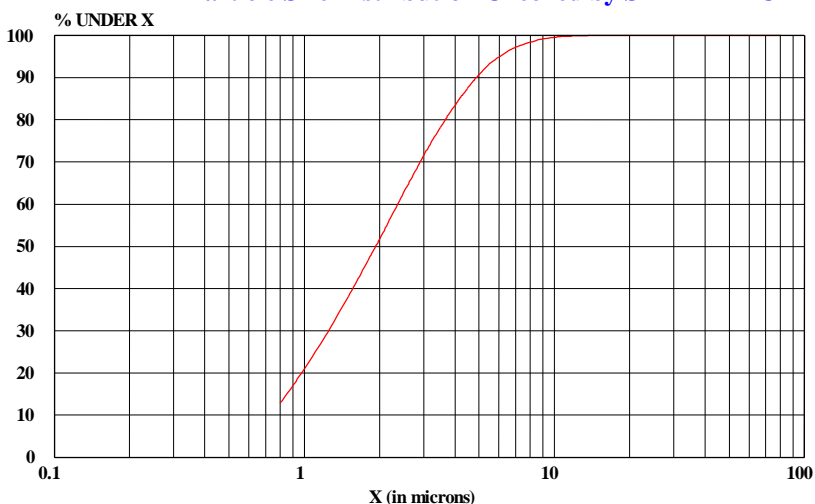
<b>PHYSICAL PROPERTIES OF THE RAW MATERIAL:</b>	Density (ISO 787/10)	2.7 g/ml
	Hardness (Mohs)	2.5

**PHYSICAL PROPERTIES OF THE PRODUCT:**

**Particle Size Distribution Checked by SYMPATEC**

Checked by  
SYMPATEC (100mm)  
 Top cut: D97 7.0µm  
 Median size: D50 1.9µm

Dry Sieving Test  
(ALPINE)  
 >40µm max 0.01%



Bulk density (ISO 787/11)	0.85 g/ml
Specific Surface (BET)	3.4 m <sup>2</sup> /g
Abrasion (Einlehner)	4.2 mg
Oil Absorption	18 g/100g
Water Absorption	26 g/100g
pH (ISO 787/9)	9
Moisture content (ISO 782/2)	≤ 0.2 %

<b>OPTICAL PROPERTIES:</b>	DataColor SF600+ (d8°; C2°)-DorfnerPress: 2.5bar
	Y ≥ 95.5 %
	L* : 98.5
	a* : 0.05
	b* : 1.2

◇ All the above specification values are measured on untreated material

**APPLICATIONS:** Plastics: PVC extrusion, plasticized, PVC injection moulding, PVC coatings, calandered Sheets, PVC profil  
Rubber sealing compounds

The above values are based on measurements carried out according to our quality assurance system and thus must not be considered as guaranteed