

DATA SHEET

10601607 BISILICATO DE PLOMO TRANSP. ATOM.

05/02/2025 v1.3

1. PRODUCT IDENTIFICATION

Description	Transparent Bright high lead content Glaze. It is used in formulations of medium and high temperature glazes to increase brigh and color development . Compound of frit: CAS N°. 65997-18-4.
Application	It can be applied: immersion, spraying, any mechanical application method. It can be colored with our "P" Series pigments or Natural Oxydes . Adapted for single firing. The recommended temperature varies from 850°-1000°C.

2. CHEMICAL COMPOSITION

Metal oxides with concentrations less than 0.05% have not been determined.

Li ₂ O	1-5	ZnO		Cr ₂ O ₃		CaF ₂			
Na ₂ O		MnO		B ₂ O ₃		Bi ₂ O ₃	MEDIUM	0-0.5	
K ₂ O	0.5-1	CdO		V ₂ O ₅		P ₂ O ₅			
MgO		CoO		MnO ₂		BeO			
CaO	0-0.5	NiO		SiO ₂	20-40	CeO ₂			
SrO		Al ₂ O ₃	1-5	TiO ₂	0-0.5	CuO			
BaO	0-0.5	Fe ₂ O ₃	0-0.5	ZrO ₂		Pr ₂ O ₃			
PbO	40-80	Sb ₂ O ₃		SnO ₂					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	White powder
Color(fired)	Transparent Bright

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: n.a	a: n.a	b: n.a
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5. DILATOMETRY

* Data obtained with dilatometer BÄHR mod. DIL 801 L 10⁻⁷ C⁻¹

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	T ^a Transformation	T ^a Softening	Melting point
86.9	86.3	147.1		443 C°	500 C°	>700 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
65.9	32.6	15.6	3.4	0.0	15.9

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Compound of lead frit. To certify their food use, the final pieces must be submitted to lead migration test by an accredited laboratory.

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)



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