

DATA SHEET

10111007 ESMALTE 5460/F TRANSP. S/P. ATOMIZA

17/02/2025 v1.3

1. PRODUCT IDENTIFICATION

Description Transparent Bright Glaze suitable for use on white, red and colored body. High range of temperatures. Compound of frit: CAS N°. 65997-18-4.

Application It can be applied: dipping, spraying, any mechanical application method. It can be colored with our "P" Series Pigments obtaining a high performance color. The "CD Series" of underglaze colors can be used for brush or screen printing decoration. The recommended temperature varies from 980°-1260°C.

2. CHEMICAL COMPOSITION

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

Li ₂ O		ZnO		Cr ₂ O ₃		CaF ₂
Na ₂ O	5-10	MnO		B ₂ O ₃	10-20	Bi ₂ O ₃
K ₂ O	1-5	CdO		V ₂ O ₅		P ₂ O ₅
MgO	0-0.5	CoO		MnO ₂		BeO
CaO	5-10	NiO		SiO ₂	40-80	CeO ₂
SrO		Al ₂ O ₃	5-10	TiO ₂	0-0.5	CuO
BaO	1-5	Fe ₂ O ₃	0-0.5	ZrO ₂		Pr ₂ O ₃
PbO		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

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
64.3	64	69.4	95	593 C°	671 C°		>800 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
54.4	22.2	8.7	0.9	0	11.4

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Formulated without lead and cadmium.

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



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