

MHC 885-886 White high temperature grogged body (1240°-1300°C)

Description and properties

White high temperature grogged body. Designed for artistic ceramics. It bears 40% grog, which texture, from impalpable to coarse, confers expression possibilities and an excellent behaviour during drying and firing. Its high plasticity gives optimum properties for modelling. Its particular ivory colour after firing is much appreciated and provides and excellent ware for glazes and colouring oxides, which develop bright and intense tones. Very popular because of its excellent behaviour for Raku.

Range and supplying form

Ref.	Water content % approx.	Description	Consistency*		Supplying form
			Tip mm	kg	
MHC 885	19	White high temperature body (grog 0-0.5 mm)	20	4.5 – 5.5	Wrapped units = 12.5 kg 1 pallet = 96 units = 1200 kg
MHC 886	19	White high temperature body (grog 0-1.5 mm)	20	4.5 – 5.5	Wrapped units = 12.5 kg 1 pallet = 96 units = 1200 kg

* Extrusion consistency

Technical data

Chemical Analysis %										Plasticity (Atterberg)		CaCO ₃ %
SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	TiO ₂	CaO	MgO	Na ₂ O	K ₂ O	MnO	L.O.I	L.L.	I.P.	
63.92	26.48	1.06	1.52	0.14	0.18	0.24	1.60	<0.01	4.26	34	16	0

Green and drying data			Firing data						Coefficient of thermal expansion x10 ⁻⁷ °C ⁻¹			
Water content %	Drying shrinkage %	Dry strength N/mm ²	Grog size	Temperature °C	Loss on ignition %	Water absorption %	Firing shrinkage %	Fired strength N/mm ² (1260°C)	α25-300	α300-500	α500-650	α25-650
19	7.0	3.0	I	1200 1300	4.6 4.3	1.4 0.0	4.4 7.0	45.3	47.7	59.1	70.6	56.8
	6.0	2.4	F	1200 1300	4.5 4.2	9.5 4.1	3.1 4.6	26.2	52.8	60.1	74.5	60.3
	5.4	2.0	M	1200 1300	4.4 4.2	7.8 6.5	4.0 4.0	17.9	55.2	59.4	79.6	62.4
	5.4	1.1	G	1200 1300	4.5 4.3	6.7 6.5	4.1 3.9	13.7	52.5	59.5	77.0	60.7

The specified data is only an indication, stemming from the analysis of the characterization of representative samples, and from routine production averages. Product characteristics are subject to modifications.