

# TRAFILEATO A MACCHINA / MACHINERY DRAWN TAGLIO FILO

TECHNICAL CHARACTERISTICS	NORMS	EN-NORM VALUES	MANETTI VALUES
length	UNI EN 98	$\pm 1,5\%$ max	corresponding
thickness	UNI EN 98	$\pm 10\%$ max	corresponding
straightness of sides	UNI EN 98	$\pm 10\%$ max	corresponding
rectangularity	UNI EN 98	$\pm 1,5\%$ max	corresponding
surface flatness centre curvature	UNI EN 98	$\pm 1\%$ max	corresponding
surface flatness warpage	UNI EN 98	$\pm 1,5\%$ max	corresponding
surface quality	UNI EN 98	percentage of acceptable tiles in the lot free visible defects 95 min	corresponding
water absorpcion	ISO 10545-3	average value $3 < E \leq 6$	4,2
modulus of rupture	UNI EN 100	average value $> 10 \text{ N/mm}^2$	$> 20 \text{ N/mm}^2$
scratch hardness of surface (Mohs)	UNI EN 101	unglazed tiles 5 min	5
abrasion resistance	ISO 10545-6	removed volume in $\text{mm}^3$ 771 max	544 $\text{mm}^3$
resistance to light			resistant
linear thermal expansion	ISO 10545-8	coefficient linear thermal expansion from ambient temperature $< 10 \times 10^{-6}/^\circ\text{C}^{-1}$	$7,4 ( \times 10^{-6}/^\circ\text{C}^{-1})$
thermal shock resistance	UNI EN 104 ASTM/C 484	free of visible defects	resistant
res. to household chemical swimming pool water cleaners	ISO 10545	free of visible defects	resistant
resistance to acid and alkalis	ISO 10545-13	unglazed tiles	resistant
frost resistance	ISO 10545-12	free of visible defects	resistant
sliding resistance	B.R.C.A. DIN 51130	leather on dry surface $\mu > 0,40$ test on inclined lan	R12



MANETTI  
GUSMANO  
& FIGLI

SANNINI  
impruneta