

Sales & Administration

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Ceramica **ARIANA** Quality Department certifies that Series **LEGEND NAT. RETT.**, Dry - pressed ceramic tiles, full body colored porcelain stoneware, has the following technical characteristics:

TECNICAL CHARACTERISTICS	TEST STANDARD UNI EN ISO	PRODUCT STANDARD ISO 13006 EN 14411	Ariana AVERAGE VALUES	
DIMENSIONAL CHARACTERISTICS				
Length and width	10545 - 2	+/- 0,6 % (+/- 2 mm)	+/- 0,6 % (+/- 2 mm)	
Thickness		+/- 5 % (+/- 0,5 mm)	+/- 5 % (+/- 0,5 mm)	
Straightness of sides		+/- 0,5 % (+/- 1,5 mm)	+/- 0,5 % (+/- 1,5 mm)	
Rectangularity		+/- 0,5 % (+/- 2 mm)	+/- 0,5 % (+/- 2 mm)	
Surface flatness		+/- 0,5 % (+/- 2 mm)	+/- 0,5 % (+/- 2 mm)	
PHYSICAL PROPERTIES				
Water absorption	10545 - 3	≤ 0,5 %	≤ 0,3 %	
Breaking strength (N)	10545 - 4	min 1300	≥ 1500	
Modulus of rupture (N/mm ²)		min 35	≥ 40	
Impact resistance, Coefficient of restitution (COR)	10545 - 5	-	0,86	
Resistance to surface abrasion	10545 - 7	Indicated by the manufacturer	White / Sand / Grey: PEI V Havana: PEI IV Brown : PEI III	
Coefficient of linear thermal expansion (K ⁻¹)	10545 - 8	Test method available	6 x 10 ⁻⁶	
Thermal shock resistance	10545 - 9	Test method available	Resists	
Moisture expansion (mm/m)	10545 - 10	Test method available	< 0,1	
Crazing resistance	10545 - 11	Required	Resists	
Frost resistance	10545 - 12	Required	Resists	
CHEMICAL PROPERTIES				
Resistance to household chemicals and swimming pool salts	10545 - 13	min GB	GA	
Resistant to low concentrations		Acids	Indicated by the manufacturer	GLA
		Alkalis		GLA
Resistant to high concentrations		Acids	Test method available	
	Alkalis			
Resistance to staining	10545 - 14	min 3	5	

This product complies with all the requirements that appears in the international Standard ISO 13006 annex and European Standard EN 14411:2012



EN 14411 : 2012

DoP nr. 001 GP

Solignano Nuovo, 20/07/2020

Technical Department

