

SPECIFICATION

Standard Size

Standard Thickness/mm	Standard Width and Standard Length/mm
20	3200*1600mm

* Customized size can be made.

Weight

Size/mm	Weight/kg
3200*1600*20	246

Material Properties

Property	Test standard	Unit	Results
Water absorption	EN 14617-1:2013	%	0.01
	ASTM C97	%	0.01
Apparent Density	EN 14617-1:2013	kg/m ³	2425
	ASTM C97	kg/m ³	2425
Mohs Hardness	EN 101:1991	Mohs	6-7
	ASTM C1895-20	Mohs	6-7
Barcol Hardness	EN59-1977	-	87
	ASTM D 2583	-	86
Flexural strength	EN 14617-2:2008	Mpa	68.1
	ASTM D 790	Mpa	68.5
Thermal shock resistance	EN 14617-6:2012	-	Mass loss: 0.02% Flexural strength after thermal shock: 43.2 Mpa Flexural strength loss: -1.2%
Slip resistance (polished)	EN 14231:2003	-	SRV"dry": 74; SRV"wet": 13
	ASTM C 1028	-	Dry": 0.68; Wet": 0.49
Abrasion resistance (polished)	EN 14617-4:2012	mm	24.1
	ASTM C 1234-93	mm	72.1
Impact resistance	EN 14617-9:2005	J	14
Chemical resistance	EN 14617-10:2012	-	Classification: C4
	ANSI Z124.6	-	Pass
Linear thermal expansion coefficient	EN 14617-11:2005	-	22.4×10 ⁻⁶ /°C
	ASTM D 696	-	16.8×10 ⁻⁵ in/in/oC
Dimensional stability	EN 14617-12:2012	-	Class: A
Dimensions, geometric characteristics and surface quality	EN 14617-16:2005	-	No defects
Antimicrobial activity test	ASTM G 21-15(2021)	-	No growth
Flammability-Flame spread	ASTM E 84	-	Class: A
Flammability-Smoke developed	255	-	Class: A
Stain resistance	ANSI Z124.6.5.2	-	Pass
Boiling water Resistance	NEMA LD3 200 3.5	-	No effect

Colorfastness	ANZI Z124.6.5.1	-	Pass
Freeze&Thaw cycling	ASTM C 1026	-	Unaffected
Release of danger substances(SVHC 163 SUBSTANCES)	SGS In-house method	-	<=0.1%(w/w) Not detected

* Properties based on White. Values may vary from colors.

Chemical resistance (DIN 68861)

Substance tested	Evaluation
Acetic Acid	No effect
Citric Acid	No effect
Sodium Carbonate	No effect
Ammonia Hydroxide	No effect
Alcohol	No effect
Red wine	No effect
Black Ink	No effect
Coffee	No effect
Cola	No effect
Beer	No effect
Hydrogen Peroxide	No effect
Hygienic cleaning agent	No effect
Lipstick	No effect
Olive oil	No effect

* Properties for White. Values may vary from colors.

Applications

- Kitchen countertops
- Bathroom countertops
- Claddings
- Laboratory
- Worktops
- Commercial spaces