

Sheet Specification

Product Specifications

Sheet thickness in mm	Sheet width in mm	Sheet length in mm		
6	760	2490	3070*	
9	760		3070*	3680
	910*		3070*	
12	760		3070*	3680
	910*		3070*	3680

\* Special customized order only

Weight /ft²	Thickness	Solids result	Unit	Textured colours result*	Unit
	6 mm	0.52	kg	0.49	kg
	9 mm	1.03	kg	0.98	kg
	12 mm	2.07	kg	1.96	kg
	6 mm	1.14	lbs	1.08	lbs
	9 mm	2.27	lbs	2.16	lbs
	12 mm	4.55	lbs	4.32	lbs

\* Pearls, Sands, Quartz, Granite

Weight /Sheet	Thickness	Width /Length	m² / Sheet	Kg / Sheet
Solids	6 mm	760 / 2490	1.8924	21.19
	9 mm	760 / 3070	2.3332	38.38
	12 mm	760 / 3680	2.7968	60.69
Pearls	6 mm	760 / 2490	1.8924	19.98
	9 mm	760 / 3070	2.3332	36.19
	12 mm	760 / 3680	2.7968	57.22
Sands	6 mm	760 / 2490	1.8924	19.98
	9 mm	760 / 3070	2.3332	36.19
	12 mm	760 / 3680	2.7968	57.22
Quartz	6 mm	760 / 2490	1.8924	20.10
	9 mm	760 / 3070	2.3332	36.40
	12 mm	760 / 3680	2.7968	57.57
Granite	6 mm	760 / 2490	1.8924	20.10
	9 mm	760 / 3070	2.3332	36.40
	12 mm	760 / 3680	2.7968	57.57

Specification Data Sheet

Specification	Unit	Result		Test method
		Solids	Granite	
Density	lbs/in	0.063	0.06	ASTM D 792
Specific Gravity		1.75		JIS-K-7112
Thermal Expansion	m/m/°C	30.0 x 10 <sup>6</sup>		ASTM D 696
	x 10 <sup>6</sup> in/in/F	1.02	1.21	
Expansion	mm	< 0.05		DIN 318
Tensile strength modulus	lbs/in	5 500	5 200	ASTM D 638
		1.4 x 10 <sup>6</sup>	1.1 x 10 <sup>6</sup>	
	kg/cm	95 000		
Flexural strength modulus	lbs/in	11 000	10 500	ASTM D 790
		1.4 x 10 <sup>6</sup>	1.1 x 10 <sup>6</sup>	
	kg/cm	98 000		
Tensile strength	kg/cm	390		ASTM D 638
Flexural strength	kg/cm	790		ASTM D 790
Hardness Rockwell		90	88	ASTM D 785
	Barcol	63	61	ASTM D 785
	Pencil	H	5	JIS-K 5400 (2.2lbs)
Izod impact notched strength (ball drop)	kg x cm/cm	1.50		ASTM D 256
6 mm	in/0,5lbs	31.50	29.50	JIS-K-6718
9 mm	in/1lbs	31.50	29.50	7211
12 mm	in/1lbs	47.20	43.30	NEMA-LDI-2.15
12 mm	mm	< 1400	< 1400	DIN EN 438, part 2, pt. 12,'92
*12 mm	N	25	25	DIN EN 438, part 2, pt. 11,'92
Water absorption	6 mm	%	0.05	ASTM D 570
	9 mm	(23 °C)	0.05	
	12 mm	24 hrs	0.04	
Slippery resistance		> 0.32 - 0.9		GMG 100 (replaces R9)
Climate change resistance	°C	positive	positive	AMK
Heat distortion temperature	°C	105-110	103.9-107.8	ASTM D 648
	°C	105-110	104-108	
Dry heat (pan bottom)	°C	≤ 100		DIN 68 861, part 7, 04-'85

\* (with impact test apparatus)

**Specification Data Sheet**

(continued)

Specification	Unit	Result		Test method
		Solids	Granite	
Wet heat (pan bottom)	°C	7A		DIN 68 861, part 8, 04-'85
Cigarette burn resistance		6C	6B	DIN 68 861, part 6, 11-'82
Chemical impact		1B		DIN 68 861, part 1, 12-'81
Scratch resistance		4D	4B	DIN 68 861, part 4, 11-'81
Stain recovery	%	98		KS F 4810-1986
Electrostatic	> 1 x 10 <sup>12</sup> Ω	insulating		DIN IEC 1340-4-1, 04-'92

Specification	Unit	Result		Test method
		Solids	Granite	
Weather resistance	g E (1000 hrs)	no change	no change	ASTM D 1499
Xenon (light resistance)		better than 6	better than 6	DIN 53 387, 04-'89
Hygienic		suitable		
HIZIN		very suitable		FITI (Korean Consuming Science Research Center)
Food contact		suitable for all colours available in 2003		LMBG § 31 Food contact safety
Fire resistance		B 1 (in all colours families)		BAM - certificate DIN 4102-1

## Chemical Resistance

According to DIN 68861 & DIN 68930 Tab.1

Test material	Time of influence	Assessment G02 defects	Assessment G02 defects <sup>*)</sup>
Acetic acid (vinegar)	16 h	no effect	no effect
Citric acid (lemon)	16 h	no effect	no effect
Natrium carbonate	16 h	no effect	no effect
Ammoniac water	16 h	no effect	no effect
Ethyl Alcohol	16 h	no effect	no effect
White wine, red wine, South wine	16 h	no effect	no effect
Beer	16 h	./.	./.
Cola-drinks	16 h	no effect	no effect
Instant coffee	16 h	no effect	no effect
Black tea	16 h	no effect	no effect
Blackcurrant juice	16 h	no effect	no effect
Cream	16 h	no effect	no effect
Water	16 h	no effect	no effect
Benzine	16 h	no effect	no effect
Acetone	16 h	3	3
Ethyl-Butyl Acetate	16 h	3	3
Butter	16 h	no effect	no effect
Olive oil	16 h	no effect	no effect
Mustard	16 h	no effect	no effect
Salt	16 h	no effect	no effect
Onion	16 h	no effect	no effect
Lipstick	16 h	no effect	no effect
Disinfectant	16 h	no effect	no effect
Black ballpoint	16 h	2	2 - 3
Stamping ink	16 h	1	1
Household cleaner	16 h	no effect	no effect
Cleaning agent	16 h	no effect	no effect
Use group according to DIN 68861		1B	1B
Assessment according to DIN 68930 Tab 1 Other work top spaces: use group: "1C"		Fulfill of requirements +	

\*) tests without test material 7