

# ZINZER Quartz Kitchen Sinks

## Technical Data Sheet

PROPERTY	TEST METHOD	UNITS	CAST ACRYLIC
♦ Density	Archimedes	gcm <sup>-3</sup>	1.7
♦ Flexural modulus	ISO 178	GN m <sup>-2</sup>	12
♦ Flexural Strength	ISO 178	MN m <sup>-2</sup>	130
♦ Impact Strength (unnotched)	ISO 179	kJ m <sup>-2</sup>	5
♦ Elongation at break	ASTM D 368	%	2
♦ Tensile Strength	ASTM D 638	MN - 2	70
♦ Rupture modulus	ASTM D 760	MN m <sup>-2</sup>	80 + - 15
♦ Hardness (Barcol)	ASTM D 2583	Scale	74
♦ Hardness (Rockwell)	ISO 2039/2	Rockwell M	100
♦ Heat distortion at 1.82 MN m <sup>2</sup>	ASTM D 648	.C	100
♦ Linear Thermal Expansion	Standard	.C-1	Mean 4.05 x 10 <sup>-5</sup>
♦ Thermal Conductivity		Cal cm/cm <sup>2</sup>	(23.C to 70 .C)
		.C sec	8 x 10 <sup>-4</sup>
♦ Flammability	BSD 476:part 7	Class	2
	NeN 3883	Class	2
♦ Smoke generation			Very low
♦ Heat Resistance (patterned surface)			Not marked by pot of oil at 180.C left for 30 minutes

<ul style="list-style-type: none"> <li>♦ Density</li> <li>♦ Temperature test oil filled pot</li> <li>♦ 180. C / 5 min</li> <li>♦ 220. C / 5 min</li> <li>♦ 240. C / 5 min</li> <li>♦ Glowing cigarette</li> <li>♦ Abrasion taber test (DIN 53799)</li> <li>♦ Impact resistance (DIN 43453)</li> <li>♦ Indentation hardness (DIN 51214)</li> <li>♦ Erichson-Scratch Test</li> <li>♦ Boiling water test (90.C / 12h)</li> <li>♦ Pot drop test # 2</li> <li>♦ Hot Cold cycle test # 3</li> </ul>	<p>1.7 g/cm<sup>3</sup></p> <p>Very slightly mat</p> <p>Slightly mat</p> <p>Slightly mat</p> <p>Slight yellowing. Stain is removable with cleanser</p> <p>5.8 mg/100 r on average</p> <p>3.75 x 10<sup>-3</sup>J mm<sup>-2</sup> on average</p> <p>275 N mm<sup>-2</sup> on average</p> <p>scratch depth : 0.8 um on average</p> <p>E below 1.0 on average</p> <p>no break untill 120 cm on average</p> <p>more than 2000 cycles wihtin 10 days</p> <p>without cracks, slight discoloration</p>
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