

# Zenolite® 6MM Technical Information

## Physical Properties

		Metric		US	
<b>General</b>					
Specific Gravity	ASTM D-792	1.19	-	1.19	-
Water Absorption	ASTM D-570	< 0.5	%	< 0.5	%
Weight		21.8	kg	48	lb.
<b>Dimensions</b>					
Diagonal Difference	-	< 4	mm	< 0.16	in
Thickness	-	6	mm	0.24	in
Sheet Size		2440 x 1220	mm	8 x 4	feet
<b>Mechanical</b>					
Tensile Strength, Max.	ASTM D-638	70	MPa	10,000	psi
Elongation at Break	ASTM D-638	4	%	4	%
Tensile Modulus	ASTM D-638	3000	MPa	435,000	psi
Flexural Strength	ASTM D-790	100	MPa	15,000	psi
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Izod Impact Strength, Milled Notch	ASTM D-256	15	J/m	0.28	ft/lbs.in
Abrasion (Taber, 10 rots. CS10F 500g)	ASTM D-1044	11	% Haze	11	% Haze
<b>Thermal</b>					
HDT, 264psi, 1.82MPa	ASTM D-648	96	°C	203	°F
Specific Heat Capacity		1.47	J/gK	0.35	BTU/lb-°F
CTE, -30 to 30C	ASTM D-696	7	mm/(mm.°C)x10 <sup>-5</sup>	4	in/(in.°F)x10 <sup>-5</sup>
Thermal Conductivity	ASTM C-177	0.18	W/mK	1.25	BTU-in/hr-ft2-°F
Continuous service temperature		77	°C	170	°F
Degradation Temperature		> 275	°C	> 530	°F

## Applications

Zenolite sheet is suitable for many vertical surface applications around the home, office or commercial environments.

Typical uses include kitchens, bathrooms, laundries, partitions and vast array of interior features.

Zenolite is not recommended where a direct heat source is applied such as behind cooktops.

To comply with Australian standards, Zenolite sheet must be installed with a minimum of 200mm clearance to periphery of any gas burners.

For more information on the installation of gas cooktops, refer to AS5601 or contact the appliance manufacturer.

