



## Physical Properties

### EGR Zenolite™ Panel – 4mm Guage

		Metric		US	
<b>General</b>					
Specific Gravity	ASTM D-792	1.19	-	1.19	-
Water Absorption	ASTM D-570	< 0.5	%	< 0.5	%
<b>Dimensions</b>					
Diagonal Difference	-	< 4	mm	< 0.16	in
Thickness	-	6	mm	0.24	in
<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
Flexural Modulus	ASTM D-790	3000	MPa	435,000	psi
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
Max temperature, short term		95	°C	202	°F
Degradation Temperature		> 275	°C	> 530	°F
Flame Spread	ASTM E84	< 120 <sup>1</sup>	-	< 120 <sup>1</sup>	-

[www.zenolite.com](http://www.zenolite.com)