

TEST REPORTDate 08/21/02
W.O. No. T 36994**SUMMARY OF AVERAGE TEST RESULTS**

<u>PROPERTIES</u>	<u>ASTM METHOD</u>	<u>DIRECTION</u>	<u>TEST SURFACE</u>	<u>RICHLITE</u>	<u>UNITS</u>
C.O.L.T.E.	E 831-00	X	edge	5.0	$\times 10^{-6}$ in/in/°F
C.O.L.T.E.	E 831-00	Y	edge	11.4	$\times 10^{-6}$ in/in/°F
C.O.L.T.E.	E 831-00	Z	face	46.3	$\times 10^{-6}$ in/in/°F
Shore D hardness	D 2240-00	Z	face	90	---
Shore D hardness	D 2240-00	X	edge	89	---
Tensile strength	D 3039-00	X	face	21,700	Psi
Tensile strength	D 3039-00	Y	face	14,600	Psi
Tensile modulus	D 3039-00	X	face	1.84	Msi
Tensile modulus	D 3039-00	Y	face	1.19	Msi

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SUMMARY OF AVERAGE TEST RESULTS

<u>PROPERTIES</u>	<u>ASTM METHOD</u>	<u>DIRECTION</u>	<u>TEST SURFACE</u>	<u>RICHLITE</u>	<u>UNITS</u>
Flexural strength	D 6272-00	X	edge	22,900	Psi
Flexural strength	D 6272-00	Y	edge	18,900	Psi
Flexural strength	D 6272-00	X	face	23,100	Psi
Flexural strength	D 6272-00	Y	face	18,900	Psi
Flexural modulus	D 6272-00	X	edge	1.86	Msi
Flexural modulus	D 6272-00	Y	edge	1.16	Msi
Flexural modulus	D 6272-00	X	face	1.76	Msi
Flexural modulus	D 6272-00	Y	face	1.13	Msi

- Notes : 1. Only the linear region of the thermal mechanical analysis thermogram was used to calculate coefficient of thermal analysis.
2. See the enclosed data for individual results and test parameters.
3. No acceptance/rejection criteria were submitted for the above results.

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