

**FRP FACE SHEET TECHNICAL DATA PREPARED FOR
VALE DOORS
VC-95**

<u>PHYSICAL PROPERTIES</u>		<u>TEST METHOD</u>
STANDARD FRP, INTERIOR OR EXTERIOR		
Flexural Strength	21 X10 ³ PS1	ASTM D 790
Flexural Modulus	8.7 X10 ⁵	ASTM D 790
Tensile Strength	17 X 10 ³	ASTM D 638
Tensile Modulus	13.9 X 10 ⁵	ASTM D 638
Barcol Hardness	5 ⁵	ASTM D 2583
IZOD Impact	15	ASTM D 256
Coefficient of Linear Thermal Expansion	1.3 X 10 ⁻⁵	ASTM D 696
Water Absorption	0.20%	ASTM D 570
Taber Abrasion Resistance (CS-10 wheels, 1000 g. wt., 1000 cycles)	0.25%	ASTM D 4060
Taber Abrasion Resistance (CS-17 wheels, 1000 g. wt., 25 cycles)	0.03%	

<u>PHYSICAL PROPERTIES</u>		<u>TEST METHOD</u>
OPTIONAL FRP, INTERIOR ONLY FIRE - RATED		
Flexural Strength	13.3 X 10 ³	ASTM D 790
Flexural Modulus	14.0 X 10 ⁵	ASTM D 790
Tensile Strength	6.3 X 10 ³	ASTM D 638
Tensile Modulus	7.7 X 10 ⁵	ASTM D 638
Barcol Hardness	50	ASTM D 2583
IZOD Impact	12	ASTM D 256
Gardner Impact (For puncture through panel)	Not Tested	ASTM D 3029
Coefficient of Linear Thermal Expansion	1.4 X 10 ⁻⁵	ASTM D 696
Water Absorption	.5	ASTM D 570
R Value		ASTM D 114
Taber Abrasion Resistance (CS-17 wheels, 1000 g. wt., 25 cycles)	0.04%	TABER TEST
.120" PANEL THICKNESS		