

Product	: GRP /FRP Corrugated Sheet
Product Description	: FIBRALAM ® JUV
Reinforcement Form	: Panel Roving
Average Thickness	: 1,50 mm
Color	: Naturel Transparent
Top Surface Coating	: Gelcoat
Profiles	: Code 1279-01-Double Six M.V01
Light Transmittance	: %70 - 85

TECHNICAL CHARACTERISTICS

Properties	Unit	Test Method	Value	Tolerance
Average Thickness	mm	Universal	1,50	± %10
Mass per Unit Area	kg/m ²	Universal	2,44	± %10
Density	g/cm ³	ISO 1183	1,42	1,30 - 1,45
Glass Fiber Content (% by Wt.)	%	EN 1172	27,00	25 - 30
Water Absorption	%	ISO 62	-	≤ 0,40
Thermal Conductivity	W/mK°	DIN 51046	0.2278	0,2200 - 0,2400
Coefficient of Thermal Expansion	m/m/°C	DIN 53752	30X10 ⁻⁶	-
Term Service Temperature	°C		-40 + 120	-
Flame Resistance	Class	BS 476 Part 7	Class 3	-
Barcol Hardness	Barcol	EN 59	45	40 - 50
Tensile Strength	N/mm ²	ISO EN 527-4	64,40	60,00 - 75,00
Tensile Modulus	N/mm ²	ISO EN 527-4	6600	5500 - 7500
Elongation at Break	%	ISO EN 527-4	1,45	1,30 - 1,80
Flexural Strength	N/mm ²	ISO EN 14125	77,50	70,00 - 85,00
Flexural Modulus	N/mm ²	ISO EN 14125	5780	4500 - 6500
Flexural Strain	%	ISO EN 14125	1,35	1,20 - 2,20
Resistance to chemical agents,	Laminates are not altered by the following acids in the listed solutions depending on their concentration and on a testing temperature ranging from 30°C to 50°C			
Acetic Acid %5	Hydrochloric Acid %10	Chlorohydric Acid %10		
Nitric Acid %10	Ethyl Alcohol %25	Benzoic Acid saturated water solution %30		
Silicone Oil	Carbon Monoxide	Sulfuric acid %15, 50°C		

Profile Drawing

