

MIKROSTOP FDV- Panel Property Selection Chart

Property	MIKROSTOP Fire-X	MIKROSTOP-FSI	MIKROSTOP - P	MIKROSTOP I -PSI	MIKROSTOP I - CGI
Surface Burning - Overflatebrann Characteristics (I) ASTM E-84	Class A (I)	Class A (I)	Class C (III)	Class C (III)	Class C (III)
Thickness – Tykkelse på plate	.09" (2.3mm)	.075" (1.9mm)	.09" (2.3mm)	.075" (1.9mm)	.10" (2.5mm)
Finish- Overflate type	Embossed-ruglete	Smooth - slett	Embossed-ruglete	Smooth-slett	Embossed-Ruglete
Wall Panel	Yes	Yes	Yes	Yes	No
Geiling Panel	Yes	No	No	Yes	Yes
Colors	Six Standard	White	Six Standard	White	White
Certification	UL Classified FMRC Approved ICBO NY MEA	USDA/FSIS	ILBO USDA/FSIS	USDA/FSIS	USDA/FSIS
Flex Strength PSI (kg/cm ²)	15,000 (1,050)	14,000 (980)	9,000 (635)	13,000 (914)	10,000 (703)
Flex Modulus PSI (kg/cm ²)	850,000 (60,000)	1,000,000 (70,300)	420,000 (29,530)	975,000 (68,543)	975,000 (68,550)
Tensile Strength PSI (kg/cm ²)	6,500 (450)	7,000 (490)	4,300 (300)	6,800 (478)	3,600 (253)
Tensile Modulus PSI (kg/cm ²)	1,300,000 (91,000)	1,300,000 (91,400)	660,000 (46,400)	1,125,000 (79,088)	1,400,000 (98,400)
Barcol Hardness-Overflatehardhet	55	52	42	55	60
Izod Impact Strength ft.-lbs./in. notched (joules/cm)	10.6 (.56)	11.0 (.58)	6.7 (.35)	11.0 (.58)	6.3 (.33)
Gardner Impact Strength in.-lb/in. (cm-kg/cm)	40 (46.5)	30 (35)	16 (19)	18 (21)	n/a
Coefficient of Linear Thermal Expansion in/in°F (cm/cm°C)	1.7 x 10 ⁻⁵ (30.58)	1.4x10 ⁻⁵ (25.2)	1.57x10 ⁻⁵ (28.21)	1.37x10 ⁻⁵ (24.66)	2.0x10 ⁻⁵ (35.98)
Water Absorption % 24 hrs. @ 77°F (25°C)	.16	.38	.16	.20	n/a
R Value hr•ft ² •°F/BTU (hr•m ² •°C/Kcal)	0.09-0.23 (0.018-0.046)	0.075-0.19 (0.015-0.038)	0.09-0.23 (0.018-0.046)	0.075-0.19 (0.015-0.038)	0.10-0.26 (.02-.056)
Taber Abrasion Resistance % max. wt. loss (CS-17 wheels, 500 g. wt., 25 cycles)	.038	n/a	.038	n/a	n/a
Frontside Fluorescent ID Thread®	two	n/a	one	n/a	n/a
Thread on the Backside @	red and blue	n/a	black	n/a	two gray
Sizes	2'x2' (0.6mx0.6m) 2'x4' (0.6mx1.2m) 4'x8' (1.2mx2.4m)	4'x8' (1.2mx2.4m) 4'x9' (1.2mx2.7m) 4'x10' (1.2mx3.0m)	4'x8' (1.2mx2.4m) 4'x9' (1.2mx2.7m) 4'x10' (1.2mx3.0m)	4'x8' (1.2mx2.4m) 4'x9' (1.2mx2.7m) 4'x10' (1.2mx3.0m) 4'x12' (1.2mx3.7m)	2'x2' (0.6mx0.6m) 2'x4' (0.6mx1.27m)

Note: All physical properties are nominal.

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