

# SIGRAFORM® HLM

Physical data				
Properties	Unit	Sizes		
		Ø 75 to 350 mm (Ø 3 to 14")	Ø 400 to Ø 780 mm 300 x 300 to 610 x 760 mm (Ø 16 to 30") (12 x 12 to 24 x 30")	
Bulk density	g/cm <sup>3</sup>		1.75	1.73
Max. grain size	mm		0.8	0.8
Specific electrical resistance	$\mu\Omega \cdot m$		7.2	7.4
		⊥	10.5	10
Young's modulus	GPa		11	10
		⊥	7	7
Flexural strength	MPa		23	20
		⊥	16	17
Compressive strength	MPa		46	40
		⊥	42	39
Tensile strength	MPa		17	13
		⊥	11	12
CTE 20 – 200 °C	10 <sup>-6</sup> K <sup>-1</sup>		2	2
		⊥	3	3
Thermal conductivity (20 °C)	Wm <sup>-1</sup> K <sup>-1</sup>		190	185
		⊥	130	135
Ash content	%		0.08	0.08

|| parallel to longitudinal direction of grain; ⊥ vertical to longitudinal direction of grain

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