



Henson Ceramics Limited

Castle Works, Stafford ST16 2ET

HCL21A

HCL1600 SERIES SILICATES

PROPERTY	UNIT	TEMPERATURE	HCL1601	HCL1602	HCL1603
Previous Identification	-	-	HCLZC1/1	HCLZC1/2	KN
Classification	-	-	Cordierite	Cordierite	Mullite
Density	g cm ⁻³	20 °C	2.42	2.42	2.2
Maximum Service Temperature	°C	-	1300	1300	1600
Thermal Conductivity	Wm ⁻¹ K ⁻¹	20 °C	2.0	2.1	5.5
Coefficient of Linear Expansion	10 ⁻⁶ °C ⁻¹	20 - 600 °C	2.2	1.8	4.5
Thermal Shock R1	K	20 - 600 °C	568	723	-
Thermal Shock R2	Wm ⁻¹	-	1192	1446	-
Flexural Strength	MPa	20 °C	120.1	133.0	80
Modulus of Elasticity	GPa	20 °C	96.2	102.2	60
Open Porosity	%	-	0	0	15

Please note that these figures are based on test sample results and should be taken as a guide only