

QUIKTURN 17EC

QUIKTURN 17EC CASTING GRADE REFRACTORY IS DESIGNED TO BE CAST VIBRATED INTO U-BENDS, Y-SECTIONS, OVERHEAD LINES AND OTHER CATALYST TRANSFER LINES IN FCC UNITS. AFTER ITS INITIAL SET, THE UNIT CAN BE RETURNED TO OPERATION WITHOUT THE TRADITIONAL CONTROLLED HEATING SCHEDULE. RESCO QUALITY CONTROL MONITORS EROSION TESTING RESULTS, THUS GUARENTEEING A PRODUCT THAT WILL MEET THE SEVERE SERVICE CONDITIONS IT IS DESIGNED FOR.

MAXIMUM SERVICE TEMPERATURE (M.S.T.) (1510°C)

BULK DENSITY

@ GREEN	136 - 142	LBS/FT ³	2178 - 2275	KG/M
@ 110°C	130 - 136	LBS/FT ³	2082 - 2178	KG/M ³
@ 815°C	127 - 133	LBS/FT ³	2034 - 2130	KG/M ³

COLD CRUSHING STRENGTH

@ 815°C	8000 - 11000	P.S.I.	552 - 758	KG/CM ²
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PERMANENT LINEAR CHANGE

Green to Dried @ 110°C	0.0	TO	-0.1 %
Green to Fired @ 815°C	0.0	TO	-0.3 %

EROSION LOSS (ASTM C-704)

@ 815°C	10 cc (max)
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POROSITY

@ 815°C	23%
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CONDUCTIVITY OR "K" FACTOR

<u>MEAN TEMP</u>	<u>BTU/FT²/Hr/°F/in</u>	<u>W/mK</u>
@ 540°C	7.4	1.07
@ 815°C	8.0	1.15
@ 1095°C	8.4	1.21

TYPICAL CHEMICAL ANALYSIS (%)

AL ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO	MgO	TiO ₂	ALK
46.8	47.2	1.1	1.2	0.7	1.1	0.7

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled conditions and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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