



RENO REFRACTORIES, INC

Reno Mag Cast 6020 CR

TECHNICAL DATA SHEET

Reno Mag Cast 6020 CR is a no cement castable for use where a basic high chrome containing refractory is needed.

Service Temperature: 3100°F/1748°C
Liquid Type: Water
Addition Quantity: 4.0-5.0%

Wt. Required for Estimating: 192 lbs/ft³
Storage Life: 6 months
Curing: Minimum of 70 F for 24 hours or longer for lower temperatures

TYPICAL CHEMICAL ANALYSIS (% Calcined Basis)

MgO	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Cr ₂ O ₃	Alkalies	P ₂ O ₅
62.21	5.79	3.17	9.79	0.05	0.55	17.98	0.19	0.01

TYPICAL COLD PHYSICAL PROPERTIES

Prefired to °F	Cold Modulus of Rupture (psi)	Cold Crushing Strength (psi)	Density (pcf)	Porosity (%)	Linear Change (%)	Abrasion Loss (cc)	Thermal Shock Loss (%)	Permeability (mDarcys)	Surface Area (m ² /g)
250	2,190	11,450	193.0	4.7	-0.1				
750	2,250	12,620	192.1	7.5	-0.0				
1500	420	3,950	189.3	16.0	+0.3				
2000	425	4,030	188.7	16.2	+0.4				
2500	320	3,930	189.7	16.7	+0.2				
2800	420	3,330	187.4	15.9	+0.5				
3000	440	3,600	188.0	17.5	+0.6				

21-189 – 22-010 L

PIN# 690210 12/09/2022

The data presented represents typical average results obtained by testing under ASTM or other acceptable procedures as required. They are subject to normal variations and should not be used for specification purposes.

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