



Technical Data

PERMANENTE® 98-AF PERICLASE RAM-CAST MIX

FEATURES	High purity, low porosity periclase plus a unique patented non-chromate bonding system provides a volume stable, high density ramming and casting mix of excellent refractoriness and resistance to slag attack.		
PHYSICAL PROPERTIES (ASTM procedures used where applicable)		<u>g/cm³</u>	<u>lb/ft³</u>
	Bulk Density:		
	Dried at 300°F/150°C	2.92	182
	Fired to 3000°F/1650°C	2.86	179
		<u>kg/cm²</u>	<u>lb/in²</u>
	Cold Crushing Strength:		
	Dried at 300°F/150°C	210	3000
	Fired to 3000°F/1650°C	215	3100
	Linear Change, %:		
	After 3000°F/1650°C		-0.2
CHEMICAL ANALYSIS (Ignited)	MgO (by Diff.)	98.1%	
	SiO ₂	0.7	
	CaO	0.7	
	Al ₂ O ₃	0.3	
	Fe ₂ O ₃	0.2	
MIXING INSTRUCTIONS	Optimum water for ramming: 2.75% Optimum water for casting: 4.75%		
PACKAGING	Standard 55 pound (25 kg) moisture-proof bags		

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), 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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