



PRODUCT DATA

Brand Name: FURNAFORM™ 80 COARSE

Description: FURNAFORM 80 COARSE is a cast shape manufactured with an Aluminum-Resistant, Low Cement, 80% Alumina castable containing coarse aggregate. FURNAFORM 80 COARSE shapes are intended for high wear areas in molten aluminum contact applications, such as lower sidewall, ramp and hearth block in aluminum melting furnaces.

Physical properties shown are averages based on standard precast sizes.

ASTM test methods used where applicable

<u>Bulk Density (pcf)</u>	<u>Cast Data</u>	
After 220°F (105°C)	170	(2.72 g/cm ³)
After 1500°F (815°C)	169	(2.70 g/cm ³)
<u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	15,00	(1050 kg/cm ²)
<u>Modulus of Rupture (psi)</u>		
After 1500°F (815°C)	2,300	(161 kg/cm ²)
<u>Permanent Linear Change (%)</u>		
After 1500°F (815°C)	-0.2 to 0.0	

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	79.5
Silica (SiO ₂)	11.7
Iron Oxide (Fe ₂ O ₃)	0.6
Titania (TiO ₂)	1.5
Lime (CaO)	1.5
Alkalis (Na ₂ O+K ₂ O)	0.2
Other	5.0

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The properties shown on this data sheet represent typical average results 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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