



# PRODUCT DATA

**Brand Name:** KRICON® 32-70

**Description:** KRICON® 32-70 is a 70% alumina, low iron castable with a 3200°F temperature limit. It offers improved slag resistance and positive reheat expansion at steel making temperatures to ensure tight, crack-free linings in cast ladles and tundishes.

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 3200°F (1760°C)**

**Typical Water Required for Mixing (by weight) :**  
Vibration Casting ..... 4.5 to 6.0%

	Vibration Cast Data	
<b><u>Bulk Density (pcf)</u></b>		
After 1500°F (815°C)	165	(2.64 g/cm <sup>3</sup> )
<b><u>Cold Crushing Strength (psi)</u></b>		
After 1500°F (815°C)	13,000	(914 kg/cm <sup>2</sup> )
<b><u>Thermal Conductivity (K Factor)</u></b>	<u>BTU/ft<sup>2</sup>/hr/°F/inch</u>	<u>W/mK</u>
After 1500°F (815°C)	18.8	2.71
After 2000°F (1093°C)	19.2	2.77
<b><u>Abrasion Loss (using ASTM C-704 Method)</u></b>		
After 1500°F (815°C)	6 cc	
<b><u>Permanent Linear Change (%)</u></b>		
Green to 1500°F (815°C)	-0.3 to 0.0	

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	71.7
Silica (SiO <sub>2</sub> ) .....	23.4
Lime (CaO) .....	1.2
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.9
Titania (TiO <sub>2</sub> ) .....	2.5
Magnesia (MgO) .....	0.1
Phosphorous Pentoxide (P <sub>2</sub> O <sub>5</sub> ) .....	0.1
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0954

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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