



PRODUCT DATA

Brand Name: KRILEX® 50 CU

Description: KRILEX® 50 has good chemical corrosion resistance, high hot strength and moderately low porosity. It is most often recommended for use in the lower checkers and superstructure of glass furnace regenerators. It is also used in reverberatory, converting and flash smelting furnaces in the non-ferrous metals industry where its alkali resistance and lower MgO content is beneficial.

Physical properties shown are averages based on standard brick sizes.

ASTM test methods used where applicable

Bulk Density (pcf)

As Received	195	(3.12 g/cm ³)
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Modulus of Rupture (psi)

At 70°F (21°C)	1030	(72.1 kg/cm ²)
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Hot Modulus of Rupture (psi)

At 2700°F (1480°C)	970	(67.9 kg/cm ²)
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Cold Crushing Strength (psi)

At 70°F (21°C)	5670	(397 kg/cm ²)
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Apparent Porosity (%)

As Received	17.5
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Permanent Linear Change (%)

After 3140°F (1727°C)	+0.1
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Typical Chemical Analysis (%)

(Calcined Basis)

Magnesia (MgO)	59.2
Chromic Oxide (Cr ₂ O ₃)	19.6
Iron Oxide (Fe ₂ O ₃)	10.9
Silica (SiO ₂)	1.9
Lime (CaO)	1.2
Alumina (Al ₂ O ₃)	7.2

Brand Code: 7371

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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