

## **CORELITE**<sup>®</sup> KILN SHELVES

**CORELITE** is a high thermal shock resistant extruded refractory material based on a rich mullite/cordierite composition, suitable to cone 10 firing temperatures. The hollow shelves are available in many shapes and sizes, including: rectangles, rounds, half-rounds, octagons, and decagons. A wide assortment of tooling and dies are available to accommodate both standard and specialized kiln configurations.

<b><u>Bulk Density:</u></b>	122-131 lb/ft <sup>3</sup>
<b><u>Apparent Porosity:</u></b>	23-28 %
<b><u>Water Absorption:</u></b>	12-15 %
<b><u>Modulus of Rupture:</u></b>	2175 psi
<b><u>Maximum Service Temperature:</u></b>	2336°F
<b><u>Coefficient of Thermal Expansion:</u></b>	(Avg.) 1.06 x 10 <sup>-6</sup> In/In/°F (1.90 x 10 <sup>-6</sup> cm/cm/°C)

### **Typical Chemical Analysis(%)**

Al <sub>2</sub> O <sub>3</sub>	48.75
SiO <sub>2</sub>	44.40
Fe <sub>2</sub> O <sub>3</sub>	0.86
TiO <sub>2</sub>	0.47
MgO	4.61
CaO	0.07
K <sub>2</sub> O + Na <sub>2</sub> O	0.84

**Note:** Above data refers to general information and is based on typical production process values. Variations may occur and Resco Products, Inc. reserves the right to modify them without previous communication.