



TECHNICAL DATA



TZ40-DOL

DIRECT BONDED, MAGNESITE ENRICHED DOLOMITE BRICK
WITH ZIRCONIA

<p>FEATURES</p>	<p>High purity sintered dolomite that is sized, blended with zirconia, pressed into a brick shape for rotary kilns, then fired in a high temperature tunnel kiln to create a strong ceramically bonded brick. TZ40-DOL is a high quality, spall and corrosion resistant refractory for use in the upper and lower transition zone of a rotary kiln.</p>																											
<p>PHYSICAL PROPERTIES (ASTM procedures used where applicable)</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;"><u>g/cm³</u></td> <td style="text-align: center;"><u>lb/ft³</u></td> </tr> <tr> <td style="text-align: right;">Bulk Density:</td> <td style="text-align: center;">2.82-2.97</td> <td style="text-align: center;">176-185</td> </tr> <tr> <td style="text-align: right;">Apparent Porosity, %:</td> <td colspan="2" style="text-align: center;">14-17</td> </tr> <tr> <td></td> <td style="text-align: center;"><u>N/mm²</u></td> <td style="text-align: center;"><u>lb/in²</u></td> </tr> <tr> <td style="text-align: right;">Cold Crushing Strength:</td> <td style="text-align: center;">>25</td> <td style="text-align: center;">>3600</td> </tr> <tr> <td></td> <td style="text-align: center;"><u>BTU/(ft², hr, °F, in)</u></td> <td style="text-align: center;"><u>W/mK</u></td> </tr> <tr> <td style="text-align: right;">Thermal Conductivity:</td> <td></td> <td></td> </tr> <tr> <td style="text-align: right;">At 1242 °F (700 °C)</td> <td style="text-align: center;">24.3</td> <td style="text-align: center;">3.5</td> </tr> <tr> <td style="text-align: right;">At 1832 °F (1000 °C)</td> <td style="text-align: center;">20.8</td> <td style="text-align: center;">3.0</td> </tr> </table>		<u>g/cm³</u>	<u>lb/ft³</u>	Bulk Density:	2.82-2.97	176-185	Apparent Porosity, %:	14-17			<u>N/mm²</u>	<u>lb/in²</u>	Cold Crushing Strength:	>25	>3600		<u>BTU/(ft², hr, °F, in)</u>	<u>W/mK</u>	Thermal Conductivity:			At 1242 °F (700 °C)	24.3	3.5	At 1832 °F (1000 °C)	20.8	3.0
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	<p style="text-align: center;">PACKAGING AND STORAGE</p> <p>Standard full pallets are packaged in vacuum sealed ALUVAC foil for optimum shelf life. Care should be taken to prevent ALUVAC damage. Store pallets in a dry protected area.</p>																											
	<p>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.</p> <p>RESKO PRODUCTS disclaims any express or implied warranties based on this sheet.</p> <p>02/05/08 is the date that this data sheet was updated. Check with your RESKO sales representative or RESKO website to determine you have the current sheet</p>																											