

# YTTRIUM STABILIZED ZIRCONIA

## ZrO<sub>2</sub> / (3 to 11% mol.) Y<sub>2</sub>O<sub>3</sub>

CAS N°: 64417-98-7

MAIN CHARACTERISTICS																				
Characteristics	Units	Results																		
<b>Colour</b> <b>Structure</b> <b>Specific surface</b> <b>Carr Index (flowability)</b> IC < 15 % : excellent 15 < IC < 25 % : medium IC > 25 % : bad	NA NA m <sup>2</sup> .g <sup>-1</sup> %	<b>White powder</b> <b>Monoclinic, Tetragonal</b> <b>2 to 20</b> <b>25</b>																		
PARTICLE SIZE DISTRIBUTION		CHEMICAL COMPOSITION																		
<p style="text-align: center;">Particle Size Distribution</p> <p style="text-align: center;">Volume (%)</p> <p style="text-align: center;">Particle Size (µm)</p> <p><b>d(10) = 25 µm      d(50) = 52 µm      d(90) = 93 µm</b></p>		<table border="1"> <tbody> <tr> <td><b>Oxide</b></td> <td><b>&gt; 99 %</b></td> </tr> <tr> <td><b>Al (max)</b></td> <td><b>0.0101%</b></td> </tr> <tr> <td><b>Ca (max)</b></td> <td><b>0.036 %</b></td> </tr> <tr> <td><b>Cd (max)</b></td> <td><b>0.0048%</b></td> </tr> <tr> <td><b>La (max)</b></td> <td><b>0.0025%</b></td> </tr> <tr> <td><b>Mg (max)</b></td> <td><b>0.0171%</b></td> </tr> <tr> <td><b>Na (max)</b></td> <td><b>0.0093%</b></td> </tr> <tr> <td><b>Ni (max)</b></td> <td><b>0.0112%</b></td> </tr> <tr> <td><b>Pb (max)</b></td> <td><b>0.0025%</b></td> </tr> </tbody> </table>	<b>Oxide</b>	<b>&gt; 99 %</b>	<b>Al (max)</b>	<b>0.0101%</b>	<b>Ca (max)</b>	<b>0.036 %</b>	<b>Cd (max)</b>	<b>0.0048%</b>	<b>La (max)</b>	<b>0.0025%</b>	<b>Mg (max)</b>	<b>0.0171%</b>	<b>Na (max)</b>	<b>0.0093%</b>	<b>Ni (max)</b>	<b>0.0112%</b>	<b>Pb (max)</b>	<b>0.0025%</b>
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*Every material proposed by Marion Technologies can be adjusted according to your specifications in order to meet your needs.*

*If you require any information or quote, please do not hesitate to contact us.*

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