

# ISO 5794-1:2010-03 (E)

## Rubber compounding ingredients - Silica, precipitated, hydrated - Part 1: Non-rubber tests

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>1</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>4</b>	<b>Sampling .....</b>	<b>2</b>
<b>5</b>	<b>Methods of test .....</b>	<b>2</b>
<b>6</b>	<b>Test report .....</b>	<b>3</b>
<b>Annex A (normative) Determination of total copper content .....</b>		<b>4</b>
<b>Annex B (normative) Determination of total manganese content .....</b>		<b>7</b>
<b>Annex C (normative) Determination of total iron content .....</b>		<b>10</b>
<b>Annex D (normative) Determination of specific surface area .....</b>		<b>13</b>
<b>Annex E (normative) Determination of the specific surface area by multipoint nitrogen adsorption test (BET test) .....</b>		<b>20</b>
<b>Annex F (normative) Determination of granule size fractions of granulated precipitated silica .....</b>		<b>21</b>
<b>Annex G (normative) Determination of CTAB surface area .....</b>		<b>23</b>
<b>Annex H (informative) Classification of silicas and typical physical and chemical properties .....</b>		<b>29</b>
<b>Bibliography .....</b>		<b>31</b>