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**AMENDMENT 1**  
2012-04-15

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**Rubber compounding ingredients —  
Carbon black — Determination of sulfur  
content**

Amendment 1: Clarification of digestion  
temperature in Subclause 3.4.5

*Ingrédients de mélange du caoutchouc — Noir de carbone — Dosage  
du soufre total*  
*Amendement 1: Clarification concernant la température de macération  
au Paragraphe 3.4.5*

[ISO 1138:2007/Amd 1:2012](https://standards.iso.org/iso-1138-2007-amd-1-2012)

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Amendment 1 to ISO 1138:2007 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 3, *Raw materials (including latex) for use in the rubber industry*.

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## Rubber compounding ingredients — Carbon black — Determination of sulfur content

### Amendment 1: Clarification of digestion temperature in Subclause 3.4.5

*Page 2, Subclause 3.4.5*

In the fourth line of the subclause, replace “Digest the mixture on an electric hot-plate at low temperature” by “Digest the mixture on an electric hot-plate at moderate temperature, i.e. below the boiling point”, so that the subclause reads as follows:

**3.4.5** Open the bomb and wash all the inner surfaces of the bomb with water, collecting all the washings in a 250 ml beaker. Filter the solution into a 400 ml beaker, washing the filter paper with three 5 ml portions of water. Add 5 ml of the hydrochloric acid (3.2.2), 5 ml of the saturated picric acid solution (3.2.3) and 10 ml of the barium chloride solution (3.2.1) to the filtrate. Digest the mixture on an electric hot-plate at moderate temperature, i.e. below the boiling point, for approximately 15 min. Filter through a low-ash paper and wash the precipitate in the paper with 10 ml portions of boiling water. Continue washing until a test with silver nitrate shows absence of chloride in the filtrate.

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