



# HARWICK

## S T A N D A R D

ISO 9001-2015 REGISTERED

## Technical Data Sheet

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### SULFUR

Harwick Standard Distribution Corporation's sulfur is a high quality, recovered sulfur that is processed to meet the many needs of the rubber industry. This rhombic (soluble in carbon disulfide) crystalline form of sulfur is available in several grades differing in the particle size and surface treatment. The surface treatment, consisting of oil and/or a conditioning additive, can aid in the handling and dispersing properties of the sulfur. A description of the types of Harwick Standard Distribution Corporation's Sulfur is as follows:

**STANDARD RUBBERMAKERS SULFUR** – These are the standard grades for vulcanization of most elastomers. Available in various mesh sizes to meet specific requirements, the standard grades include **104, 338, and 340**.

**TREATED SULFUR** – Oil Treated **167** and **209** Sulfur contain 1.0% and 0.5% oil respectively. The oil treatment minimizes dusting and aids with dispersion.

**TREATED FINE SULFUR** – Oil Treated, fine particle **289** and **294** contain ~0.2% and 1% oil respectively. They are also very fine particle sizes to meet specific applications.

**CONDITIONED SULFUR** – A conditioning agent is added to improve the storage, handling, processing and dispersion characteristics of the sulfur. This conditioning is especially effective with the finer grades. **793** Sulfur is conditioned with magnesium carbonate.

**TREATED AND CONDITIONED SULFUR** – **296** Sulfur contains both oil and a conditioning agent for the most critical applications. Treated and conditioned sulfur is available in differing mesh sizes.

(Continued)

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**SULFUR** continued

<b><u>GRADE</u></b>	<b><u>PURITY</u></b>	<b><u>FINENESS</u></b>
<b><u>RUBBERMAKERS</u></b>		
<b>104</b>	99.5%	90 - 95% Through 200 Mesh
<b>338</b>	99.5%	98% Through 325 Mesh
<b>340</b>	99.5%	99% Through 325 Mesh

<b><u>GRADE</u></b>	<b><u>PURITY</u></b>	<b><u>TREATMENT/ CONDITIONING</u></b>	<b><u>FINENESS</u></b>
<b><u>TREATED</u></b>			
<b>167</b>	98.0%	1% Oil	>85% Through 200 Mesh
<b>209</b>	99.0%	0.5% Oil	90 - 95% Through 200 Mesh
<b>289</b>	99.0%	>0.1% Oil	98% Through 325 Mesh
<b>294</b>	98.0%	1% Oil	99.99% Through 100 Mesh 99% Through 200 Mesh

**CONDITIONED**

<b>793</b>	97.0%	2% Magnesium Carbonate	98% Through 325 Mesh
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**TREATED AND CONDITIONED**

<b>296</b>	97.0%	0.5% Oil/2%MgCO <sub>3</sub>	99% Through 325 Mesh
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The sulfur used for all of these grades is a high purity recovered grade having the following properties:

Ash, %	0.1*
Moisture, %	0.15
Acidity, %	0.01

\*793 Conditioned grade has a higher ash content because of the presence of conditioning agent