

**Set of Primary Hardgrove Grindability Index (HGI) Standards, ASTM D409 (set of 4 each with values approx. 40,60,80 and 110)**

Art. ID	HGI-SRS
Unit	Set (4 x 3 Kg)
Deliverydetails	No Dangerous Good /not restricted

**Description**

Primary Hardgrove Grindability Index (HGI) Standards prepared in strict accordance with the most current version of ASTM D 409, Standard Test Method for Grindability of Coal by the Hardgrove-Machine Method.

The Hardgrove Grindability Index Standard Reference Sample (HGI-SRS) is a sample of coal used to calibrate instruments that are designed to determine the ease with which coal can be pulverized.

The HGI value provides information for determining grinding power consumption and pulverizer capacities.

The HGI-SRS is prepared in a series of steps over several days. All procedures conform to American Society for Testing and Materials (ASTM) standard methods (Appendix A). Coal is purchased according to specifications.

The Hardgrove Grindability Index is calculated on four splits (or portions), two each taken from the two reserved cans. The results are averaged to give the index for the entire lot. Cans of standard reference sample are shipped to customers upon request, along with a questionnaire designed by ASTM to obtain data on the quality of the sample. The data obtained on the questionnaire is used by ASTM to perform detailed statistical analysis of HGI-SRS production.

The National Energy Technology Laboratory has a Contributing Funds Agreement with ASTM to produce HGI-SRS, which are the Primary Standards for the D409 Analysis.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
A	HGI value (Hardgrove Grindability Index)		41		ASTM D 409	
B	HGI value (Hardgrove Grindability Index)		61		ASTM D 409	
C	HGI value (Hardgrove Grindability Index)		77		ASTM D 409	
D	HGI value (Hardgrove Grindability Index)		92		ASTM D 409	