



DUST TESTING INFORMATION SHEET

STANDARD DUST TEST

Imperial Systems can have your potentially explosive dusts tested at a certified lab. This test will determine if your dusts contain combustion/explosion hazard properties related to ignition and flame propagation characteristics. It is crucial to understand and comply with NFPA guidelines when choosing dust and fume collection equipment for your intended use. This includes providing providing dust tests and safety devices for combustable and explosive properties. If you choose, Imperial can coordinate sample collection and testing.

TEST	DESCRIPTION	TEST STANDARD	SAMPLE SIZE	PRICE
EXP 20L	Dust Explosibility - 20L test vessel <i>Determines Kst, Pmax, and dP/dTmax</i>	ASTM E1226	900g	\$1,500

DUST SAMPLE REQUIREMENTS

- Refer to NFPA-652-2016 (Section 5.5) for specific sampling requirements. (Link to standard: <http://www.nfpa.org/codes-and-standards/all-codes-and-standards/list-of-codes-and-standards?mode=code&code=652>)
- ASTM E1226 requires a minimum sample size of 900 grams or about 2 pounds of dust.
- Dust samples should be at least 95% sub 200 mesh (75 microns) in size.
- ASTM standard testing methods require that particle size for testing is no more than 75 microns. If particle size is greater than 75 microns, an additional grind and sift charge of \$450.00. will be applied.
- ASTM standard testing methods requires that samples with a moisture content over 5% must be dried before testing unless otherwise specified by the end user.
- A Safety Data Sheet (SDS) must be provided for each dust sample.
- All unused portions of dust samples will be held for 30 days to allow the customer to determine if further testing is needed. All materials will be disposed of or returned after 30 days.

ORDERING & SHIPPING INSTRUCTIONS

- The Imperial Systems sales representative will complete the standard Imperial Systems form with the end user/customer's contact information, which includes contact name and phone number
- Package the sample for testing with the SDS attached to the outside of the shipping container.
- Ship the packaged sample to: Imperial Systems Inc 7320 West Market St. Mercer, PA 16137.

END USER INFORMATION

Company: _____

Contact Email: _____

Contact Phone: _____

Ship to Address: _____

Contact Name: _____

End User PO#: _____

SAMPLE NAME*: (Name to Appear On Test Report) _____

A separate form must be completed for each sample.

MATERIAL CLASSIFICATION:

- | | |
|--|--|
| <input type="radio"/> Agricultural Product | <input type="radio"/> Metal Dust |
| <input type="radio"/> Carbonaceous Dust | <input type="radio"/> Plastic Dust |
| <input type="radio"/> Chemical Dust | <input type="radio"/> Other- Please Describe _____ |

If two or more are selected, please define percentage _____

Complete this form and send to your sales representative at Imperial Systems.

Please call 800.918.3013 with any questions concerning dust test orders.