



EXPLOSION TESTING ORDER FORM

This form is to be completed and submitted by the Fike Sales Partner.

Sales Partner Information

End User Information

Company: _____

Company: _____

PO#: _____

Contact Name: _____

Contact Name: _____

Contact Phone: _____

Contact Email: _____

Ship to Address: _____

Contact Phone: _____

Billing Address: _____

Sample Name*: _____

* A separate form must be completed for each sample.*

Special Instructions

Sample Tested	As Received:	Grind/Sift:
Moisture Content	Sample must have moisture content of <5% or drying will be required.	

STANDARD DUST TESTS (check all that apply)

√	Test	Description	Test Standard	Min Req'd Sample
<input type="checkbox"/>	EXP 20L	Dust Explosibility – 20L test vessel (<i>K_{st}, P_{max}, dP/dT_{max}</i>)	ASTM E1226	900g
<input type="checkbox"/>	Screen 20L	Determine potential for combustion – 20L test vessel	ASTM E1226	500g
<input type="checkbox"/>	EXP 1m ³	Dust Explosibility – 1m ³ test vessel (<i>K_{st}, P_{max}, dP/dT_{max}</i>)	ISO 6184	30 Kg
<input type="checkbox"/>	Screen 1m ³	Determine potential for combustion – 1m ³ test vessel	ISO 6184	10 Kg
<input type="checkbox"/>	MEC	Minimum Explosive Concentration	ASTM E1515	900g
<input type="checkbox"/>	LOC	Limiting Oxygen Concentration	ASTM E2931	900g
<input type="checkbox"/>	MAIT	Minimum Auto Ignition Temperature (Dust Cloud)	ASTM 1491	400g
<input type="checkbox"/>	MIE #1	Minimum Ignition Energy– w/ Inductance (most common)	ASTM E2019	400ml
<input type="checkbox"/>	MIE #2	Minimum Ignition Energy – w/o Inductance	ASTM E2019	400ml
<input type="checkbox"/>	MIT	Minimum Ignition Temperature (Dust Layer)	ASTM E2021	1000g
<input type="checkbox"/>	PCM	Percent Combustible Material	OSHA Test #3	200ml
<input type="checkbox"/>	DBRS	Dust Burn Rate Screen Test	EPA Method 1030	250ml
<input type="checkbox"/>	DBR	Dust Burn Rate	EPA Method 1030	250ml
<input type="checkbox"/>	VRT	Volume Resistivity	ASTM D257	1000g
<input type="checkbox"/>	OSHA/NEP	OSHA Combustible Dust NEP Test Bundle <i>Includes: EXP 20L, MEC, MIE, MAIT</i>	Multiple Standards	3000g

STANDARD LIQUID/GAS TESTS (below: check all that apply)

√	Test	Description	Test Standard	Sample Size
<input type="checkbox"/>	AIT	Min. Liquid Auto Ignition Temperature (ambient pressure)	ASTM E659	500ml
<input type="checkbox"/>	GASEXP	Gas Explosibility (ambient temp, 100-psig max.)	N/A	500ml
<input type="checkbox"/>	AMB	Limits of Flammability (ambient pressure, 150° C max)	ASTM E681	500ml

Sample Disposal	<input type="checkbox"/> Non-Hazardous Material: No Fee	<input type="checkbox"/> Hazardous Material: \$50 Disposal Fee Added to Invoice
Sample Return	<input type="checkbox"/> Add Shipping Charge to Invoice	<input type="checkbox"/> Pre-paid: Carrier _____ Acct.# _____
Special Handling	<input type="checkbox"/> DEA Controlled Substance: Handling Fee Added to Invoice	

Complete this form and fax to Fike Customer Service at 800-456-4162 or email to orders@fike.com.
See page 2 for Sample Requirements, Shipping Instructions and Special Testing information.

EPTestForm rev. 2014-07-01

Sample Requirements

- The minimum amount of sample required to perform each test is listed on the test selection table of the dust testing order form. If multiple tests are required then it is necessary to send the minimum amount of sample required for each test.
- Samples are recommended to be at least 95% sub 200 mesh (75 microns).
 - Samples can be tested up to 425 microns in size. However, if fines are detected in the “as received” sample, the customer will be notified that sieving of the sample is required and additional cost will be incurred.
- Samples containing a moisture content exceeding 5% will be dried before performing the required tests as recommended by ASTM standard test methods, unless otherwise specified by the customer.
 - If the sample is not to be dried prior to testing, appropriate packing methods should be employed to ensure the sample is not influenced by humidity changes during transport to Fike.
- Material Safety Data Sheets (MSDS) must be provided for every sample.
- **All unused portions of dust sample material will be disposed of or returned to the customer 30 days after the completion of testing.**

Ordering & Shipping Instructions

- Sales partner is to complete the order form on the front of this document by filling in all the provided fields and checking the boxes for the desired tests.
- Sales partner faxes the order form to Fike Customer Service at 800-456-4162 or email to orders@fike.com.
- Fike Customer Service will process the order and issue a Material Return Authorization (MRA) Number to the sales partner.
- Package the sample for shipment labeling each sample the same name as on form.
 - MSDS sheets must be attached to the outside of the shipping container.
 - The MRA Number provided by Fike must be clearly marked on the outside of the shipping container.
- Ship properly packaged sample using the following shipping label:

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Fike Corporation
704 S. 10th St.
Blue Springs, MO 64015
Attn: Explosion Testing Lab
MRA #: _____

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