



Document Title:
Granular Absorbent

Document Type:
Material Specifications

Document No.:
4350.301

Originating Department:
Distribution Standards & Materials

Effective Date:
Feb 28, 2023

Author Rodolfo A Flores Ortiz, PE Standards Engineer, Distribution Standards & Materials	Signature and Date  Feb 28, 2023
Reviewer Rafael Torres Martinez, PE Supervisor, Distribution Standards & Materials	Signature and Date  Feb 28, 2023
Approver Ricardo Castro Gómez, PE Manager, Distribution Standards & Materials	Signature and Date  Feb 28, 2023

Document History

Date	Revision Comments
Feb 28, 2022	Initial Release.

Warehouse Catalog	Item Version	Date
068-03522	2	02/28/2023



Equipment Specification
Document No.: 4350.301
Item No.: 068-03522
Asset Suite: 60223
Originating Department: Distribution Engineering



Granular Absorbent

1. Introduction

This is a general specification that covers the minimum requirements for the granular absorbent used in the distribution system in Puerto Rico. Further information will be provided by LUMA Energy at the time of order placement and will provide information on site specific conditions, quantity, and other requirements. This document includes the general electrical and mechanical characteristics of the material.

2. Special Requirements

Samples shall be furnished as requested by LUMA Energy. Vendors that have supplied this material to PREPA / LUMA on previous orders, will not have to furnish samples at bid opening. The material will be received at the LUMA's general warehouse (011) at Palo Seco, Puerto Rico. Shipping will include transportation and unloading at the indicated warehouse.

3. Quantity/Literature

Descriptive and technical literature must be supplied by vendor at time of bidding. This literature may include, but is not limited to details of material, drawings, documented testing, and instructions for use and installation. Failure to submit documents on time will cause bidder disqualification. For products described in this specification as requiring qualification, awards will be made only for such products that, prior to the time for opening of bids, had been tested and/or approved by LUMA. Evidence of PREPA's and/or LUMA Energy's approval of the equipment or material shall be supplied by vendor if requested by LUMA Energy.

4. Markings

- 4.1. Containers shall be marked outside with LUMA Energy's purchase order and item number.
- 4.2. Packaging labels and tags shall be waterproof.

5. Equal or Approved Equal to

Oil-Dri Quicksorb, model S-11684



Equipment Specification
Document No.: 4350.301
Item No.: 068-03522
Asset Suite: 60223
Originating Department: Distribution Engineering

Granular Absorbent

6. Packaging

All material and equipment shall be packaged and marked in such a way as to facilitate handling and protection from damage and that the receiving warehouse can readily identify it and send it, in one complete unit, to a field location without opening crates or boxes to sort items and/or parts.

7. Number Per Package (Logistics)

7.1. Standard package: One (1) per package or as requested by LUMA Energy.

8. Acceptance Criteria

- 8.1. Test required: certified by external laboratories.
- 8.2. Latest applicable codes, standards, and other regulations:
 - a. OSHA PEL

9. Description

- 9.1. Granular absorbent for management of oil, coolant, grease, water, and other spills.
- 9.2. Shall be fine granular product.
- 9.3. Shall be packed in 20 lbs. pails.
- 9.4. Shall not contain more than trace amounts of crystalline silica.
- 9.5. Material shall be non-combustible and chemically inert.

10. Inspection

The acceptance of any material or equipment shall in no way relieve the vendor from his responsibility to meet all the requirements of this specification, and it would not prevent subsequent rejection if such materials were found later to be defective.

11. Proposal Information

- 11.1. Submitted proposals must include:
 - a. Technical information
 - b. Table of Compliance completed by the bidder with reference. (See Appendix 1)

— End of Specification —



Equipment Specification

Document No.: 4350.301

Item No.: 068-03522

Asset Suite: 60223

Originating Department: Distribution Engineering

Granular Absorbent

Appendix



Equipment Specification
Document No.: 4350.301
Item No.: 068-03522
Asset Suite: 60223
Originating Department: Distribution Engineering

Granular Absorbent

Appendix 1: Table of Compliance

Line	Criteria	Description	Pass/Fail (P/F)
1	Specification	The Proponent complies with the corresponding specification document.	
2	Industry Standards	The Proponent complies with the industry standards established in the specification document. (ANSI, ASTM)	
3	Material	<ul style="list-style-type: none">• Granular product	
4	Chemical characteristics	<ul style="list-style-type: none">• Shall not contain more than trace amounts of crystalline silica.• Non-combustible and chemically inert	
5	Package	<ul style="list-style-type: none">• 20 lbs. pails	











4350.301 Granular Absorbent (02-28-2023)

Final Audit Report

2023-02-28

Created:	2023-02-28
By:	Rodolfo Flores (rodolfo.floresortiz@lumapr.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAAVzhC4jLU8Dh2UOrTHdJ3F1ha_CrgzfQ

"4350.301 Granular Absorbent (02-28-2023)" History

-  Document created by Rodolfo Flores (rodolfo.floresortiz@lumapr.com)
2023-02-28 - 1:22:34 PM GMT
-  Document e-signed by Rodolfo Flores (rodolfo.floresortiz@lumapr.com)
Signature Date: 2023-02-28 - 1:24:01 PM GMT - Time Source: server
-  Document emailed to Rafael Torres-Martinez (rafael.torresm@lumapr.com) for signature
2023-02-28 - 1:24:02 PM GMT
-  Email viewed by Rafael Torres-Martinez (rafael.torresm@lumapr.com)
2023-02-28 - 1:40:53 PM GMT
-  Document e-signed by Rafael Torres-Martinez (rafael.torresm@lumapr.com)
Signature Date: 2023-02-28 - 1:41:29 PM GMT - Time Source: server
-  Document emailed to ricardo.castro@lumapr.com for signature
2023-02-28 - 1:41:30 PM GMT
-  Email viewed by ricardo.castro@lumapr.com
2023-02-28 - 3:36:03 PM GMT
-  Signer ricardo.castro@lumapr.com entered name at signing as Ricardo Castro Gómez
2023-02-28 - 3:36:47 PM GMT
-  Document e-signed by Ricardo Castro Gómez (ricardo.castro@lumapr.com)
Signature Date: 2023-02-28 - 3:36:49 PM GMT - Time Source: server
-  Agreement completed.
2023-02-28 - 3:36:49 PM GMT