

FKR-2175 TECHNICAL DATASHEET

Overview

FKR-2175 is a sustainable solution, produced from unusable FKM materials, including scraps, sprue, runners, flash, or even used FKM products. Unlike traditional powdered fillers, FKR-2175 comes in solid sheet form, making it efficient without compromising performance.

This versatile material can be immediately utilized with the final product having the same performance with virgin fluoro elastomer, with the flexibility for your team to adjust its formulation to meet your specific needs. For O-ring production, FKR-2175 is formulated to achieve the same level of performance as virgin FKM compounds.

Typical Characteristics

Product Description: FKM waste recycled into sheet form.

Appearance: Solid

Physical state: Solid

Colour: Customizable, typically in Black or Brown.

Cure System: Bisphenol

Hardness, Shore A: 75±5

Application/ How to Use

1. **Evaluation of Application:** Before use, evaluate the specific application's requirements, including FKM compound formulation and performance goals.
2. **Material Blending:** FKR-2175 does not need to blend with virgin FKM compound. FKR-2175's performance is equivalent to virgin FKM performance.
3. **Material Adjustment:** Modify the material's formulation to meet your specific needs. This adjustment should be based on your performance and cost-saving goals.
4. **Addition Before Vulcanization:** FKR-2175 does not need to be incorporated into the FKM compound, evaluate on the specific application's requirements.
5. **Flexible Additions:** Whether for waste reduction or performance enhancement, FKR-2175 offers flexibility in the percentage of addition. Small to large additions can be made without compromising physical properties.

Note: Always follow your specific application guidelines and safety measures when working with FKM compounds.

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Shelf Life

Nominally 3 years.

Packaging

You have the flexibility to customize the portion size according to your demand. Each portion will be securely wrapped in plastic for protection.

Packaging Specifications:

- Can be done in rolls or sheets.
- FKR-2175 are packaged in cardboard boxes.
- Each cardboard boxes weights 25kg
- For bulk orders, each pallet contains a total of 1,000 kilograms of FKR-2175.

Please note that these packaging options can be tailored to meet your specific requirements, ensuring convenient handling and storage.

Health & Safety

Thorough guidance pertaining to the Health & Safety aspects of this product is contained within the Safety Datasheet for FKR-2175. This document is readily accessible for immediate download through our website's dedicated product section. Alternatively, you may request a copy of the SDS directly from our organization.

Please do not hesitate to contact us for any further inquiries or assistance. We are unwavering in our commitment to prioritize your safety and well-being.

Issued by: Akron Fluoroelastomer Recycle Co., Ltd.

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