

# FKR-2275 TECHNICAL DATASHEET

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## Overview

FKR-2275 is a sustainable solution, produced from unusable FKM materials, including scraps, sprue, runners, flash, or even used FKM products. Unlike traditional powdered fillers, FKR-2275 comes in solid sheet form, making it efficient without compromising performance.

This versatile material cannot be immediately utilized, with the flexibility for your team to adjust its formulation to meet your specific needs. For O-ring production, when aiming to achieve the same level of performance as virgin FKM compounds, it is recommended to blend FKR-2275 in a range of 40% to 60% with virgin FKM. This blending ratio ensures the final product's performance are matched with virgin FKM compounds.

FKR-2275 serves as a cost-effective option while enhancing properties. It can be directly added to FKM compounds before vulcanization, with small to substantial additions possible without significant losses in physical properties. A sustainable choice for both performance and economy.

## 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:** Determine the ideal blending ratio of FKR-2275 with your virgin FKM compound. A recommended range is 40% to 60% FKR-2275 to virgin FKM for achieving equivalent 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-2275 should be incorporated into the FKM compound before vulcanization. This ensures that it effectively becomes part of the final product.
5. **Control Cost:** Use FKR-2275 as a cost controller. By utilizing this sustainable filler, you can optimize your material costs while maintaining product quality.
6. **Flexible Additions:** Whether for waste reduction or performance enhancement, FKR-2275 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

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compounds.

## **Shelf Life**

Nominally 20 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-2275 are packaged in cardboard boxes.
- Each cardboard boxes weights 25kg
- For bulk orders, each pallet contains a total of 1,000 kilograms of FKR-2275.

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-2275. 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 Rubber Co., Ltd.

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