



Technical Data Sheet

XIAMETER™ OFX-0204 Fluid

Release agent for molding, extruding and fabricating rubber and plastic parts, and in die casting metals

Features & Benefits

- Compatible with most organic coatings and adhesive systems
- Provides a heat-stable film
- Does not require unusual or extraordinary cleaning operations prior to painting, plating or bonding

Composition

- Alkylaryl polysiloxane fluid

Applications

- XIAMETER™ OFX-0204 Fluid can be used for a wide variety of applications. It can be used for the production of floor mats and tiles, seals, grommets, gaskets, toys, paneling, decorative trim, household appliance assemblies, and similar plastic or rubber products that are coated, painted, plated or bonded. It is also highly effective as a parting agent in die casting aluminum, zinc, magnesium and other metals.
- In addition, XIAMETER OFX-0204 Fluid can be used as an additive in rubber and plastic formulations. When added as a built-in lubricant, the fluid facilitates the assembly of mechanical components and acts as a lubricant in service.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test	Unit	Value
Physical Form		Pourable Liquid
Specific Gravity at 25°C (77°F)		0.90
Viscosity at 25°C (77°F)	cs	780
Refractive Index at 25°C (77°F)		1.462
Flash Point, Pensky-Martin closed cup, minimum	°C(°F)	76(168)

Description

XIAMETER OFX-0204 Fluid is a release agent that in most cases provides a heat-stable film that does not carbonize at temperatures that quickly destroy many organic mold release agents.

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XIAMETER™ OFX-0204 Fluid

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How To Use

Application Methods

XIAMETER OFX-0204 Fluid should be diluted with solvent prior to use. A common dilution ratio is 100 parts solvent to one part fluid. However, tests should be conducted under actual production conditions to determine the most suitable concentration and frequency of application for specific uses. Suitable diluents include organic solvents such as xylene, toluene, white gasoline and VM&P naphtha. The diluted solution is easily applied by wiping, brushing or spraying.¹

Breaking in the surface of new or freshly cleaned molds is best done by applying a light coat of undiluted fluid and running through one or two heat cycles with no rubber or plastic present. After excess fluid is wiped from the surface, the mold is ready for use.

Surface Preparation

In all cases, surfaces that are to be finished should be free of dirt, oil and grease. To obtain optimum coverage, adhesion and appearance, follow the recommended chemical or physical surface preparation before applying various finishes.

Release coatings made with alkylaryl polysiloxane fluids similar to XIAMETER OFX-0204 Fluid show good compatibility with many enamels and lacquers.

In tests, paints have been successfully applied directly over a light smear of an alkylaryl polysiloxane similar to XIAMETER OFX-0204 Fluid. These tests deliberately skipped cleaning the smeared surface before painting. The success of these tests, however, should not encourage users to discontinue standard procedures prior to painting.

1. Flammability and toxicity should be important considerations in the choice of the solvent. Always provide adequate ventilation. Follow precautions on solvent container label.

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.CONSUMER.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life And Storage

Product should be stored at or below 49°C (120°F) in original, unopened containers.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Not intended for human injection. Not intended for food use.

Health And Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, www.consumer.dow.com or consult your local representative.

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<http://www.xiameter.com>

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