

產品技術資料

產品名稱 **NFRA-189/O ZN 鋅合金脫模劑 (水溶性, 油溶性 兼容型)**

產品簡介 NFRA-189/O ZN 鋅合金脫模劑, 為全新環保型配方, 不含矽油、臘質。脫模效果明顯優異。

化學及物理特性

外觀	淺褐色油
化學成份	合成聚合油+添加劑
顏色	淺褐色
表面活性劑	不含毒性
氣味	中等
pH (at 20°C) 酸鹼值	約 7.50
在 15°C 下之比重	0.840 g/cm
主要成份	水

注意 - 不可儲存於 0 以下之環境

稀釋比例

NFRA-189/O ZN 之稀釋比例須視乎不同之實際生產情況而定, 例如 - 不同鑄件體積, 不同之脫模劑噴注器材.....等等。應由客戶的車間生產部自行調試最佳稀釋比例。一般而言, 跟據廠方提供之資料, 參考稀釋比例為 1 份 NFRA-189/O ZN 可加入 150 至 300 倍水。若工件較為複雜, 應由 80 倍水開始調試, 此外亦可加入煤油(火水) 或淨用。

使用優點

- : 不含臘質, 矽油成傷。
- : 不會造成燒結現象, 不產生油霧。
- : 鑄件表面光潔度高, 沙孔極少。
- : 潤滑性能優良, 脫模力強。
- : 壓鑄生產進行時較少低氣霧產生。

使用方法

NFRA-189/O ZN 脫模水需稀釋後才使用。稀釋比例為 30-100 倍水左右, 但須視乎不同生產之實際情況而調整。

鑄件表面質素

NFRA-189/O ZN 由於不含臘質, 壓鑄機管道及活動部份能經常保持清潔, 並無沉澱物或油垢出現。壓鑄模具內排出的氣體亦可容易疏散, 鑄件表面出現沙孔之情況亦大大減少。總括而言, 使用 NFRA-189/O ZN 之壓鑄機所需之清潔保養次數可大大減小。

產品特性

NFRA-189/O ZN 在稀釋之後具有”遇熱變”之特性。稀釋液在噴注於壓鑄模具上, 在模具內壁形成潤滑膜幫助脫模, 之後就在模具內壁產生之高溫下迅速蒸發, 而不會在模具內形成沉積物或油垢。而稀釋液亦由氫質水化合物轉變為有機性溶液, 故此使用過之稀釋液不應再重複使用, 以免影響鑄件質素。



本產品榮獲多個歐洲質量證書認可

NFRA origin from GERMANY

清潔保養	NFRA-189/O ZN 不含臘質,不會令壓鑄機或中央脫模水缸內之喉管形成沉澱物而阻塞,是使用中央脫模水缸用戶之最佳產品。
存放須知	<ul style="list-style-type: none"> ⊗ 避免長時間受陽光照射。 ⊗ 不可存放在低於 0°C 之環境 產品壽命：約 36 個月 (產品未開封前)。
潤滑能力	NFRA-189/O ZN 脫模能力高,能深入複雜模具內壁。
後加工序	使用 NFRA-189/O ZN 之鑄件在簡單之清洗(可用清水洗)後即可進行絲印、焗油等工藝。
環保資料	NFRA-189/O ZN 不含毒性或有害物質,對自然環境無害。
廢油處理	使用後之 NFRA-189/O ZN 廢液可透過自然分解或交與認可之化學品回收公司處理。 .
排放須知	
<i>廢物處理</i>	不可直接傾注溝渠,內河。
	廢油須交與認可公司處理。
使用過之包裝品	使用後之包裝若需再用或在棄掉前,請先清潔。
健康及安全資料	NFRA-189/O ZN 對環境、人體無害。(可參考廠方提供之物料安全數據資料)
備註	本產品不應與其他公司的加工液混合使用,否則會影響使用效果。 由於用戶實際生產情況不在我們可控制之間,本公司對使用狀況不作擔保。



CERTICHIM

本產品榮獲多個歐洲質量證書認可

NFRA origin from GERMANY

TECHNICAL DATA SHEET

PRODUCT NAME

NFRA-189/O ZN 鋅合金壓鑄用脫模劑/ 油、水性兩用型
Oil-based Release agent for zinc pressure die-casting

DESCRIPTION

NFRA-189/O ZN is a thin and clear die-spray. After the lower fraction of the product has been evaporated during the spraying of the hot die, a thin coating is being left behind on the die surface. The soldering of the zinc smelt is eliminated, and the surface quality of the castings is remarkably improved. As a result of the good wetting of the die surface, the heat loss is considerably less, if compared with aqueous release agents.

APPLICATION AND ADVANTAGES

NFRA-189/O ZN should be used neat. It is not necessary to apply this product after every casting. In practice re-spraying after 5 to 20 cycles is sufficient. Shiny casting surfaces of highest quality are obtained. Excellent release, even on most difficult castings. Castings can be painted or powder coated without interference.

CHEMICAL AND PHYSICAL CHARACTERISTICS

Appearance:	Clear, oily liquid
Composition:	Synthetic paraffinic oils + additives
Solid Lubricant:	None
Smell:	Neutral
Viscosity:	980mm ² sec (20 °C)
Density:	0,840g/cm ³ (15 °C)
Shelf Life:	Unlimited

DIE-CASTING PROPERTIES

Application:	Use Neat
Field of Application:	General purpose release agent, suitable for all kinds of zinc castings
Means of Application:	Manual or automatic spray

STORAGE

- ☼ Avoid long storage under the sun
 - ☼ Do not stock the product at a temperature below -20°C
- Shelf life: Unlimited

DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES

Do not pour down the drain and the rivers.

Give to an approved recycler for disposal.

Well clean the packaging before re-use or putting in landfill.

ALL MEANS OF DIPOSAL SHOULD COMPLY WITH NATIONAL OR LOCAL REGULATIONS.

[GERMANY]:

Abfallschlusselnr: 544 02

Abfall Bezeichnung: EmulsionsGemische

CONTAMINATING PACKAGING

LOCAL REGULATIONS:



TECHNICAL DATA SHEET

PRODUCT NAME

NFRA-189/O ZN

Oil-based Release agent for zinc pressure die-casting

HEALTH AND SAFETY

NFRA-189/O ZN has no adverse effect on health when used properly and for the designed application. The hydrocarbons which are being evaporated during the spraying of the die are entirely free from aromatic and aliphatic fractions, and do not form cyclic compounds during the casting process. An acute health hazard does not exist. The product does not ignite at room temperature. Beyond normal hygiene, no special precautions are required. Further reference is made to the Material Health and Safety Sheets.

REMARK:

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter specification within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, resolve the matter.



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