

## TECHNICAL DATA SHEET

### RM-PE-NA-1000

Issue date                      14<sup>th</sup> February, 2025  
Revision                              1

#### **CHEMICAL & PHYSICAL CHARACTERISTICS**

Composition                      PFAS-free, organo-modified siloxane processing aid in polyethylene carrier  
Appearance                        Translucent pellet

#### **APPLICATIONS / USE LEVELS**

RM-PE-NA-1000 is a PFAS-free processing aid for polyethylene, typically employed in film, extruded profiles & fibre spinning.

RM-PE-NA-1000 is suitable for transparent applications.

Typical usage: 1%-3% by weight, dependent on application.

#### **BENEFITS & ADVANTAGES**

- Improves surface quality, reduces die build-up, prevents surface defects and shark skin.
- Reduces coefficient of friction and improves slip performance.
- No migration, so no adverse effect on printability, adhesion or sealing strength.
- Does not cause a coating of the rollers or dies, resulting in less cleaning and maintenance work compared to other PPAs.
- High gloss and no haze in transparent applications.
- Immediate effect without start-up processes being required.
- Quick material change from one quality of film to another.
- No thermal degradation
- No corrosive degradation products

#### **RADICAL MATERIALS LTD**

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## **COMPATIBILITY**

RM-PE-NA-1000 exhibits no compatibility problems in most practical applications. However, due to the large range of possible applications, it is recommended that the stability of the active ingredients, system compatibility & any influences on the product properties during production, storage, transport and in the application are tested prior to use.

It is generally recommended to routinely test for changes in chemical & physical properties such as discolouration (colour stability) for each individual application system, as well as effects of external factors such as pH, moisture, temperature and UV light.

## **PACKAGING / STORAGE / TRANSPORT**

|                |  |
|----------------|--|
| Packaging      | 25kg bag   |
| Shelf Life     | 12 months from production date   |
| Storage        | Recommended storage temperature 5°C - 40°C<br>Protect against heat, moisture and direct sunlight |
| Transportation | See SDS.   |

Notes: These characteristics do not constitute a sales specification. The information contained in this document is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any freedom from patent infringement.

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