

Product Information

TEGO® PPA 0-2

PRODUCT DESCRIPTION

TEGO® PPA 0-2 is a technical wax especially formulated to be used as a fluorine-free polymer processing aid in various film processes.

TYPICAL APPLICATIONS

TEGO® PPA 0-2 can be applied in various film processes, e.g. cast film, blown film and others. The additive is suitable for transparent as well as matte film applications.

TEGO® PPA 0-2 can be used in fiber spinning and challenging extrusion operations where a smooth surface appearance is expected, such as in pipe and profile extrusion.

TEGO® PPA 0-2 is a PFAS-free replacement for fluorine-based polymer processing aids (PPA) to prevent shark skin appearance and die drool built up during film manufacturing.

TEGO® PPA 0-2 acts also as an efficient dispersing additive for different pigments and fillers.

BENEFITS & ADVANTAGES

The use of TEGO® PPA 0-2 in various film applications as polymer processing aid gives the following benefits

- Immediate effect after dosing, which allows a fast change of different materials or fast color changes
- Does not cause a coating of the rollers in cast film applications nor the metal dies in blown film applications resulting in less cleaning and maintenance work compared to other PPA technologies
- No thermal degradation
- No influence on printability or sealability
- No migration
- High gloss and no haze in transparent applications
- No corrosive degradation products

DOSAGE

TEGO® PPA 0-2 should be applied with a dosage between 0.1-0.5 %.

To improve the dispersion of pigments or fillers, a higher dosage in the area of 1-2 % is necessary.

HANDLING & PROCESSING

TEGO® PPA 0-2 can be applied using a premix of the overall formulation or directly i.e. through split-feed processing.

PACKAGING

25 kg bags

600 kg pallet (24 x 25)

SHELF LIFE

Minimum 12 months after date of production under normal good storing conditions.

HAZARDOUS SUBSTANCE

Information concerning

Classification and labelling according to regulations for transport and for dangerous substances

- Protective measures for storage and handling
- Measures in case of accidents and fire
- Toxicity and ecological effects

is given in our material safety data sheets.

REGISTRATION LISTING SUMMARY

The relevant components of TEGO® PPA 0-2 are listed/registered or exempt in the following chemical inventories:

Based on the submitted information of our raw material suppliers we can confirm, that TEGO® PPA 0-2 is compliant with EC Regulation 1907/2006 (REACH).

Registration Listings

| Registry | Status |
|--------------------|--------|
| Canada (DSL) | Yes |
| China (IECSC) | Yes |
| EU (EINECS/ELINCS) | Yes |
| Japan (ENCS) | Yes |

Registration Listings

| Registry | Status |
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| New Zealand (NZIoC) | Yes |
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| Philippines (PICCS) | Yes |
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| Taiwan (TCSI) | Yes |
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| USA (TSCA) | Yes |
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through H ("Frozen or refrigerated storage: Ready-prepared foods intended to be reheated in container at time of use") as described in Table 2 of FDA Regulation 21 CFR176.170.

TEGO® PPA 0-2 may be used at a maximum level of 2% in polyolefins (complying with Title 21 CFR sec. 177.1520).

Chinese guideline GB 9685-2016

TEGO® PPA 0-2 may be used in compliance with the Chinese guideline GB 9685-2016 in plastics based on PE and PP up to a level of 5%.

FOOD CONTACT COMPLIANCE

European Regulation 10/2011

The ingredients of TEGO® PPA 0-2 are listed without a specific migration limit (SML-value) in the Regulation 10/2011/EU.

BfR Recommendations

TEGO® PPA 0-2 is a preparation, the ingredients of which comply with the Recommendation IX of the BfR. It can be used in all types of plastics.

FDA Regulations

TEGO® PPA 0-2 may be used up to 400 mg/sqm food contact area. (corresponds for example with a dosage of 0,4% in a film with 100 g/sqm).

The finished polymers may be used in contact with all food types under conditions of use B ("Boiling water sterilized")

Disclaimer

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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