Technical Data Sheet

Meta WAX 102

Revision: July 2026

Product Description

Meta Wax 102 is a water-based external release agent for polyurethane foam systems compatible with different types of foam, mainly for rigid, semi-rigid, and flexible foams. It contains emultion of waxes that provides an excellent demolding effect as well as excellent finishes on the final surface of the foam. It is suitable for moulding hot-cure polyurethane foams.

Application Areas

- Suitable for hot cure, rigid and flexible foams.
- It is recommended to be used with temperatures between 80 to 100 °C.

Benefits

- Superior surface quality
- Low residue
- Universally applicable in different foam systems
- Functional in a wide temperature range (up to 100 ℃)
- Minimum amount of residue in the mold
- Less greasy PU surface
- Environmental Water-based (solvent-free) feature

Processing Conditions

- Stir with care before and during the use.
- Before starting any trial, the moulds have to be cleaned of any other release agent.
- To condition the molds spray, apply one or two coats without pouring.

Packaging, Storage & Handling

Meta Wax 102 is packed and delivered in Iron drums, 200 kg per drum as a standard pack. It should be kept in a properly sealed, and stored at ambient temperature (15-35 ℃). Storage at low temperatures (below 4 ℃) may markedly lead to an increase in the viscosity, and this may cause difficulties in processing. Extended storage at temperatures above 100 (℃) is not recommended to prevent deterioration of the product quality.

Safety

Eye protection, such as chemical splash goggles and/or face shields, must be worn in feasible eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses must not be worn. Emergency eye-wash fountains and safety showers should be available near any potential exposure. By all means, there is no skin hazard. However, washing hands and other exposed areas with mild soap and water before eating, drinking, smoking, and when leaving work is recommended.

Shelf Life

Under recommended storage conditions, the shelf life of Meta WAX 102 is 12 months from the date of production.

Warning

Keep away from freezing.

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Product Specification

Property	Unit	Value	Test Method / Standard
Appearance	-	White Emulsion	Visual
Density at 25 (°C)	kg/L	0.9 - 1	ASTM D4669
pH	-	6 - 8	-
Working Temp. Range at Demoulding	°C	80 - 100	-
Smell	-	Smell-less	-

Parameters of PU wax

Property	Unit	Value	Test Method / Standard
Meta WAX 102 / water	(w/w)	1:3 to 1:8*	Calculated
Dilution	-	Deionized Water	-
Spray Equipment	-	Airless System	-

* depending on the spraying amount;

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