

Release Agent Rotorelease® RM-305

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Description:

Release Agent Rotorelease® RM-305 is a solvent-based, ready-to-use mold release agent used in rotational molding of thermoplastics. Featuring an exceptionally high temperature stability of approx. 520°C (968°F), a good chemical bonding to most mold materials and an excellent abrasion resistance even to highly abrasive materials, the product allows for multiple releases per application. Since Release Agent Rotorelease® RM-305 does not transfer to the molded parts, downstream processes, such as varnishing or gluing, are possible without further treatments. Using Release Agent Rotorelease® RM-305 in rotational molding minimizes the degree of mold fouling resulting from build-ups.

Application Fields:

Release Agent Rotorelease® RM-305 is suited as a release agent for use in rotational molding systems of all plastic types, especially polyethylene and polypropylene.

Application:

Prior to the first application of Release Agent Rotorelease® RM-305 the molds need to be thoroughly cleaned. We further recommend to wash the molds afterwards at room temperature with a fast evaporating solvent to ensure complete elimination of all grease and wax residues. As an initial mold treatment, 1-2 thin uniform layers of the release agent are applied to the hot mold. The longer the subsequent curing time and the higher the application/curing temperature, the more resistant and durable the resulting release film be. After this pretreatment, the processing can be started. As soon as release performance decreases, Release Agent Rotorelease® RM-305 should be touched-up. Applying one single layer will be sufficient, considering the appropriate curing time.

Technical Data

Composition:	mixture of resins in solvent
Appearance:	colorless liquid
Density [g/cm³]:	approx. 0,76
Flashpoint [°C]:	0

Packaging:

Can	22,8 kg
Drum	152 kg

Storage:

This product should be stored in tightly sealed containers and has to be protected from frost, heat and direct sunlight. If these rules are obeyed, the product can be stored for at least 24 months. The expiry date is stated beneath the production date on the labels of each container.

Regulatory information on safety and transportation is provided in the material safety data sheet.

Technical product information and data is based on the best information available and does not constitute or imply a warranty or patent infringement of any kind. The user is responsible for testing product suitability prior to product use in production. The data mentioned above do not constitute viable parts of a specification, for which further, separate agreements are necessary.



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