

BLUESIL RES 9515

Description	<p>BLUESIL RES 9515 is a solventless methyl silicone resin which has been specially designed for mould release of:</p> <ul style="list-style-type: none"> · Cast polyurethane elastomers as well as soft and rigid PU foams. The following examples can be mentioned: Dashboards, shoe soles, upholstery, thermal insulation and sound proofing materials. · Melamine, phenolic, polyester and epoxy resins. · Rubbers.
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Examples of applications	<p>BLUESIL RES 9515 is used:</p> <ul style="list-style-type: none"> • As mould release agent on metal moulds. • As protective agent on moulds and membranes made of RTV silicone rubber.
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Key benefits	<p>In these demoulding applications, BLUESIL RES 9515 offers the following advantages:</p> <ul style="list-style-type: none"> • Odour free (solvent free). • Very easy to use. • Proven efficiency. • Excellent adherence to the mould surface. • The moulded articles have an excellent surface finish. • Excellent thermal stability. • Reduces mould fouling. • Easy cleaning.
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Typical properties	Appearance	clear to slightly cloudy liquid
	Colour	colourless to straw yellow
	Active ingredients (% , approx.)	100
	Solvent	none
	Flash point (Closed cup, °C, approx.)	180
	Specific gravity (At 25°C, approx.)	1.00
	Viscosity (At 25°C, mm²/s, approx.)	180
	Diluents	Aromatic & aliphatic hydrocarbons, aliphatic esters, higher alcohols and volatile silicones

Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.

Instruction of use	<p><u>Mould release agent</u> The mould should be perfectly clean, grease-free, dry and if possible pre-heated to a temperature above 50 °C. BLUESIL RES 9515 is diluted in a solvent or mixture of solvents and applied with a brush, pad or spray gun. The frequency of application depends on the complexity of the mould and the aggressiveness of the moulding material. In general, reapplication is necessary every two to ten moulding operations. For simple moulds a dilution of 3 to 5 % of BLUESIL RES 9515 in the chosen solvent is convenient. For complex moulds a dilution of 1 % in the same solvents may be necessary. To slow down evaporation and prevent premature setting during spraying we recommend to (partially) use a solvent with a higher boiling point. Allow more time for drying before moulding.</p> <p><u>Protective agent</u> Certain rigid or semi-rigid PUR foam formulations may attack RTV moulds or membranes. In such cases, effective protection is provided by applying a layer of BLUESIL RES 9515.</p>
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We recommend dilution to between 5 and 10 % in appropriate solvents.

Finishing treatment of moulded articles

If the moulded articles are to be glued, painted, varnished or printed subsequently it is essential to carefully degrease the surface to be treated. Prior testing is necessary.

In the case of paints and varnishes, a « lack of adhesion » can often be prevented by adding between 0.1 and 0.5 % BLUESIL FLD 47 V 100 to V 350 to the paint or varnish.

Here again, prior testing is essential.

Regulation	Please consult your local ELKEM SILICONES sales office.
Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	<ul style="list-style-type: none">• BLUESIL RES 9515 is available in<ul style="list-style-type: none">○ Pallet of 1000 KG (2205 LB)○ Drum of 200 KG (441 LB)○ Drum of 25 KG (55.13 LB)
Storage and shelf life	When stored in its original packaging: BLUESIL RES 9515 may be stored at temperatures between -20°C / -4°F and 50°C / 122°F for up to 24 months from its date of manufacturing. Comply with the storage instructions and expiration date marked on the packaging. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.
Safety	Please consult the Safety Data Sheet of: BLUESIL RES 9515

Visit our website www.elkem.com/silicones/

Warning to the users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. ELKEM SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and ELKEM SILICONES is at their disposal to supply any additional information.