

BLUESIL RES 6405

Description	<p>BLUESIL RES 6405 and 6405X are 50% solids methylphenylsilicone resins in Toluene (6405) or Xylene solution (6405X).</p> <p>These resins are ideal for the formulation of heat resistant coatings for industrial applications with improved weatherability.</p>
--------------------	---

Examples of applications	Please consult your local ELKEM SILICONES sales office.
---------------------------------	---

Key benefits	<ul style="list-style-type: none"> • 6405 xHigh temperature resistance (up to 600°C) when used in combination with suitable temperature stable fillers and pigments. • Dry tack free at room temperature. • Good flexibility.
---------------------	--

Typical properties		
	RES 6405	RES 6405X
Appearance	Clear liquid	
Colour	Colourless to slightly yellow	
Solids content (% approx.)	52 %	
Viscosity at 25°C (approx.)	50 mm ^{2/s}	
Solvent	Toluene	Xylene
Specific gravity at 25°C (approx.)	1.01	1.02
Flash point approx. (closed cup, approx.)	6°C	24°C
Thinners	Aromatic hydrocarbons, esters, ketones, glycol ethers and their esters.	

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>For good adhesion of the paint on the substrate, the surface to be coated first must be degreased and sandblasted.</p> <p>The paint can be applied by spraying, dipping or brushing.</p> <p>The coating can be handled after air drying, with full curing achieved after baking for 1 to 2 hours at 250 - .</p> <p>Curing can be carried out at time of use (in which case, the coating should be protected during storage) or, the piece can be heat-cured immediately after application of the paint to achieve its optimum properties.</p> <p>In the case of thick coatings, it is advisable to bring the temperature to 300°C in stages in order to avoid blistering.</p> <p>Drying time and film thermoplasticity can be reduced by adding a catalyst such as iron octoate (ex: 0.1 to 0.5% iron octoate containing 6 % iron / solid resin.)</p>
---------------------------	--

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 6405 is available in <ul style="list-style-type: none"> ○ Drum of 200 KG (441 LB) • BLUESIL RES 6405X is available in <ul style="list-style-type: none"> ○ Drum of 200 KG (441 LB)
------------------	---

Storage and shelf life	<p>When stored in its original packaging:</p> <p>BLUESIL RES 6405 may be stored at temperatures between -20°C / -4°F and 30°C / 86°F for up to 18 months from its date of manufacturing.</p>
-------------------------------	--

BLUESIL RES 6405

BLUESIL RES 6405X may be stored at temperatures between -20°C / -4°F and 30°C / 86°F for up to 18 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 6405 and BLUESIL RES 6405X

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.