

BLUESIL RES 6482X

Description	<p>BLUESIL RES 6482X is a reactive silicone resin which was developed for use in the manufacture of decorative medium temperature paints.</p> <p>Currently this resin is mainly used for the manufacture of air drying, temperature resistant silicone alkyd paints. It is also more compatible than other silicones with urea-formaldehyde, melamine-formaldehyde, epoxy, polyurethane and acrylic resins. Another use is as an additive for epoxy paints. It also improves weathering resistance.</p>																					
Examples of applications	Please consult your local ELKEM SILICONES sales office.																					
Key benefits	Please consult your local ELKEM SILICONES sales office.																					
Typical properties	<table border="1"> <tr> <td>Chemical nature</td> <td>Hydroxylated methylphenyl silicone resin</td> </tr> <tr> <td>Appearance</td> <td>Clear to very slightly cloudy liquid</td> </tr> <tr> <td>Colour</td> <td>Colourless to slightly yellow</td> </tr> <tr> <td>Solids, % approx</td> <td>60</td> </tr> <tr> <td>Solvent</td> <td>Xylene</td> </tr> <tr> <td>Flash point, °C, closed cup, approx</td> <td>28</td> </tr> <tr> <td>Density at 25°C, approx</td> <td>1.06</td> </tr> <tr> <td>Viscosity at 25°C, mm²/s, approx</td> <td>15</td> </tr> <tr> <td>Hydroxyl content, % by weight (1), approx</td> <td>3.5 to 4</td> </tr> <tr> <td>Mean molecular weight, approx</td> <td>1 800</td> </tr> </table>		Chemical nature	Hydroxylated methylphenyl silicone resin	Appearance	Clear to very slightly cloudy liquid	Colour	Colourless to slightly yellow	Solids, % approx	60	Solvent	Xylene	Flash point, °C, closed cup, approx	28	Density at 25°C, approx	1.06	Viscosity at 25°C, mm²/s, approx	15	Hydroxyl content, % by weight (1), approx	3.5 to 4	Mean molecular weight, approx	1 800
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	<p>Thinners: Aromatic and chlorinated hydrocarbons, esters ketones, glycol ethers and their esters.</p> <p>(1) relative to the dry product</p> <p>Please note: The typical properties are not intended for use in preparing specifications. Please contact our local Sales Department for assistance in writing specifications.</p>																					
Instruction of use	<p>BLUESIL RES 6482X can be used simply by mixing, cold, with alkyd resins (mainly coconut oil, dessicated castor oil and linseed oil-based) for the manufacture of industrial paints.</p> <p>As a general rule, a BLUESIL RES 6482X content of 20 to 30 % is used, but this figure may be as high 75 %, of the total binders. As an additive, the quantity used is between 1 and 5 % of the paint.</p> <p>The BLUESIL RES 6482X is recommended in alkyd paints to improve the weatherability, drying time and hardness.</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 6482X 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 6482X 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> <p>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.</p>																					
Safety	Please consult the Safety Data Sheet of: BLUESIL RES 6482X																					

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Warning to the users

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