

BLUESIL RES 6407

Description	<p>BLUESIL RES 6407 is a 70% solids methylphenylsilicone resin in Toluene solution. This resin is designed to formulate heat resistant coatings for industrial applications with improved weatherability.</p>																					
Examples of applications	<p>Please consult your local ELKEM SILICONES sales office.</p>																					
Key benefits	<ul style="list-style-type: none"> • High temperature resistance (up to 400°C) when used in combination with suitable temperature-stable fillers and pigments • Good compatibility with organic resins (e.g. alkyds), to improve their heat and weathering resistance. • Dry tack-free at room temperature. • Medium flexibility <p>BLUESIL RES 6407 can be used to formulate medium - high solids content coatings.</p>																					
Typical properties	<table border="1"> <tr> <td>Chemical type</td> <td>Hydroxylated methylphenyl silicone resin</td> </tr> <tr> <td>Appearance</td> <td>Clear to slightly hazy liquid</td> </tr> <tr> <td>Colour</td> <td>Colourless to slightly yellow</td> </tr> <tr> <td>Solids content, %, approx.</td> <td>70</td> </tr> <tr> <td>Viscosity at 25°C, mm²/s, approx.</td> <td>70</td> </tr> <tr> <td>Solvent</td> <td>Toluene</td> </tr> <tr> <td>Specific gravity at 25°C, approx</td> <td>1.09</td> </tr> <tr> <td>Flash point (closed cup), °C, approx</td> <td>6</td> </tr> <tr> <td>Hydroxyl content, %</td> <td>2 to 3</td> </tr> <tr> <td>Thinners</td> <td>Aromatic hydrocarbons, esters, propylene ethers, glycols and their esters</td> </tr> </table> <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>		Chemical type	Hydroxylated methylphenyl silicone resin	Appearance	Clear to slightly hazy liquid	Colour	Colourless to slightly yellow	Solids content, %, approx.	70	Viscosity at 25°C, mm²/s, approx.	70	Solvent	Toluene	Specific gravity at 25°C, approx	1.09	Flash point (closed cup), °C, approx	6	Hydroxyl content, %	2 to 3	Thinners	Aromatic hydrocarbons, esters, propylene ethers, glycols and their esters
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Instruction of use	<p>BLUESIL RES 6407 can be combined with organic resins (e.g. alkyds), by cold blending, to improve coatings' heat and weathering resistance. The amount of BLUESIL RES 6407 is generally around 20% (dry for dry, by weight), but it can be added up to 75%. When used alone to formulate high temperature coatings, it is necessary to use specific temperature stable pigments such as black iron oxides or aluminum pastes. Addition of catalysts such as iron octoate (0.1 to 0.5% / solid resin) is recommended for service temperature up to 400°C.</p>																					
Regulation	<p>Please consult your local ELKEM SILICONES sales office.</p>																					
Limitations	<p>Please consult your local ELKEM SILICONES sales office.</p>																					
Packaging	<ul style="list-style-type: none"> • BLUESIL RES 6407 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: BLUESIL RES 6407 may be stored at temperatures between -20°C / -4°F and 30°C / 86°F for up to 12 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.</p>																					
Safety	<p>Please consult the Safety Data Sheet of: BLUESIL RES 6407</p>																					

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Warning to the users

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