

Bluesil ESA 6009

Description **BLUESIL™ ESA 6009 A&B** is a two component silicone gel which cures at room temperature by polyaddition reaction. The polymerization can be accelerated by heat. The silicone material is delivered as two low viscosity liquid components, which once mixed and cured, transform into an elastic gel.

- Examples of applications**
- Protection of electronic modules
 - Encapsulation of electronic components
 - Dampening Systems

- Key benefits**
- Rapid cure at ambient conditions
 - Low viscosity
 - Easy processing – 1:1 mix ratio (by volume or by weight)
 - High inherent tack
 - Unique colors for Part A, Part B and mixed material

Typical properties		Part A	Part B
Property	Unit	Value	Value
Mix Ratio A : B	1 : 1	-	-
Physical State		Liquid	Liquid
Appearance		Blue	Pink
Viscosity, <i>LVT Spindle 2 @ 6 RPM</i>	cP	2,000	1,900
Cured for 24 hours @ ambient			
Penetration, ½" dia, ¼" radius, stainless steel probe	grams		152
Pot Life	minutes		7
Curing time	minutes		< 30
Probe Tack	grams		18
Dielectric Properties			
Dielectric Strength	kV/mm		10.06
Dielectric Constant @ 1MHz			2.91
Dielectric Dissipation Factor @ 1 MHz	da		10 ⁻³
Volume Resistivity	ohm.cm		10 ¹⁴

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 Please consult your local ELKEM SILICONES sales office.

Regulation Please consult your local ELKEM SILICONES sales office.

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Limitations	Please consult your local ELKEM SILICONES sales office.
Packaging	<ul style="list-style-type: none">• BLUESIL ESA 6009 A BLU is available in<ul style="list-style-type: none">○ Tote bin of 1000 KG (2205 LB)○ Drum of 200 KG (441 LB)○ Pail of 20 KG (44.1 LB)• BLUESIL ESA 6009 B RED is available in<ul style="list-style-type: none">○ Tote bin of 1000 KG (2205 LB)○ Drum of 200 KG (441 LB)○ Pail of 20 KG (44.1 LB)
Storage and shelf life	<p>When stored in its original packaging:</p> <p>BLUESIL ESA 6009 A BLU may be stored at temperatures between -20°C / -4°F and 50°C / 122°F for up to 12 months from its date of manufacturing.</p> <p>BLUESIL ESA 6009 B RED 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.</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 ESA 6009 A BLU and BLUESIL ESA 6009 B RED

Visit our website www.elkem.com/silicones/

Warning to the users

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