

TECHNICAL DATA SHEET ALSIL 34665

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This compound is a peroxide cross linking ready to use high consistency HTV silicone rubber compound.

Special Characteristics

- Good damping properties
- Good mechanical properties
- Metal Detectable
- Good flexibility and elasticity
- Good resistance to high and low temperature
- Excellent resistance to mildew and fungi
- Excellent resistance to UV ageing

Processing

Extrusion. However, we recommend running preliminary tests to optimize conditions for the specific application.

Application

All applications that require the stated characteristics and physical properties.

Food Regulation Compliance

This compound is produced using only materials that are positively as approved for food contact use in the FDA regulation FDA 21 CFR 177.2600, "Rubber Articles Intended for Repeated Use" and/or comply with recommendation of the Burr XV" Silicones". This statement is supported by documented declarations from our suppliers.

We recommend that all items produced from silicone rubber intended for food contact use be post for 4hrs @ 200°C with an air exchange rate of ≥ 120 L/min per Kg Silicone. However, the responsibility for compliance with the regulations for the finished item remains solely with the manufacturer of the finished component.

Colour

Blue.

Storage

This compound has a shelf life of at least 3 months when stored between 5°C and 25°C in the tightly closed original container. Prolonged storage at above 30°C can cause premature cross-linking (curing). Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case we recommend that quality assurance checks be carried out to ensure the properties meet the application requirement.

Typically, Physical properties from test pieces Press cured for 5 mins. @ 115°C

<u>Property</u>	<u>Units</u>	<u>Values</u>
Hardness (± 5)	Shore A	70
Appearance		BLUE
Specific Gravity (± 0.05)	g/cm ³	1.40
Tensile Strength (Nominal)	N/mm ²	7.1
Elongation @ Break (Nominal)	%	365
Modulus @100% (Nominal)	N/mm ²	2.7
Tear Resistance die B (Nominal)	N/mm	14.9
Vertical Magnetic Pull (In House WI no.15)	mm	8.0
Compression Set (22hr @175°C)	%	27

NB: These values are for indication only and should not be used for specification writing.



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