

# LITTLEJOHN

THE SILICONE SPECIALISTS

35c, Vale Business Park, Llandow, Cowbridge, Vale of Glamorgan CF71 7PF Tel: 01446 774028 Fax: 01446 776214 [info@alittlejohn.co.uk](mailto:info@alittlejohn.co.uk) [www.alittlejohn.co.uk](http://www.alittlejohn.co.uk)

## TECHNICAL DATA SHEET ALSIL 20059

Issue No: 1

Date: 21/03/2013

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/Moulding however we recommend running preliminary tests to optimize conditions for the specific application.

### Application

All applications that require the stated characteristics and physical properties.

### Colour

The base can be coloured with approved pigments, in this case blue has been used.

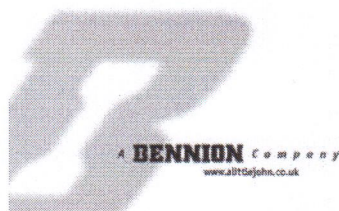
### Storage

This compound has a shelf life of at least 3 month 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 & post cured for 4 hrs @ 200 °C

<u>Property</u>	<u>Units</u>	<u>Values</u>
Hardness (±5)	Shore A	70
Appearance		BLUE
Specific Gravity (±0.05)	g/cm <sup>3</sup>	1.43
Tensile Strength (Nominal)	N/mm <sup>2</sup>	7.4
Elongation @ Break (Nominal)	%	370
Modulus @100% (Nominal)	N/mm <sup>2</sup>	2.6
Tear Resistance die B (Nominal)	N/mm	20

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





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## **FDA CONFIRMATION**

Issue No: 2

Date: 26/02/2015

**Product Code: ALSIL 20059 and ALSIL 26801**

**Customers Ref: Metal Detectable Grades**

We can confirm that the above Silicone Rubber Compound supplied by A. LITTLEJOHN LTD are produced using only materials that are listed positively and approved for food contact use in the FDA regulation FDA 21 CFR 177.2600, "Rubber Articles Intended for Repeated Use" and comply with recommendation of the BfR XV "Silicones". This statement is supported by documented declarations from our suppliers.

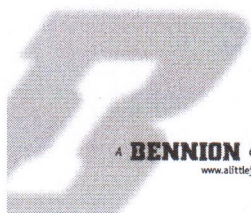
We recommend that all items produced from silicone rubber intended for food contact use be post cured for 4hrs @ 200°C with an air exchange rate of  $\geq 120$  L/min per Kg Silicone. However the responsibility for compliance with the regulations for the finished item remains solely with the manufacturer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

For further information refer to the standard on [www.fda.gov](http://www.fda.gov).

Signed:

Position: Technical Administration

Date: 26/02/2015



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