

## TECHNICAL DATA SHEET ALSIL 41891

Issue No: 1

Date: 25/06/2021

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

### Special Characteristics

- Good damping properties
- Good mechanical properties
- Good electrical resistance
- Good flexibility and elasticity
- Good resistance to high and low temperature
- Good resistance to solvent and fuels
- 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, however testing is recommended.

### Colour

NATURAL

### Storage

This compound has a shelf life of at least 6 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 10 mins. @ 170°C & post cured for 4 hrs @ 200 °C

<u>Property</u>	<u>Units</u>	<u>Values</u>
Hardness (±5)	Shore A	40
Appearance		NATURAL
Specific Gravity (±0.05)	g/cm <sup>3</sup>	1.44
Tensile Strength (Nominal)	N/mm <sup>2</sup>	8.9
Elongation @ Break (Nominal)	%	350
Tear Resistance die B	N/mm	17.5
Compression Set (22hr @175°C)	%	14

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



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