



# Product Data Sheet

## Ultraseal PC504/66 Sealant

Ultraseal PC504/66 is a high performance sealant with excellent temperature and chemical resistance properties. Ultraseal PC504/66 has gained global approval from most of the major automotive OEMs and many of their first and second tier suppliers. It has also gained extensive approval within the aerospace industry. Ultraseal PC504/66 has achieved Qualified Product status for the internationally accepted US Military Specification MIL-I-17563C.

General			
APPEARANCE	Clear pale straw liquid	ODOUR	Mild methacrylate
VISCOSITY <small>20°C Seta Zahn No 1</small>	32 - 34 seconds	S.G. <small>20°C</small>	1.005 - 1.015
FLASH POINT <small>Twin Pack (uncatalysed)</small>	96°C	GEL TIME <small>0.8% DB42, degassed</small>	80 - 180 seconds
CONTAMINATION TOLERANCE	Good	WASHABILITY	Good
POT LIFE <small>Under normal operating conditions</small>	Indefinite	SHELF LIFE <small>Under normal storage conditions</small>	12 months** 6 months***
TEMPERATURE RANGE* <small>Cured phase</small>	-76 / +200°C	US MIL-I-17563C APPROVED	Yes

Chemical Resistance			
US MIL-I-17563C Test Conditions, Impregnated US MIL Test Rings, Test Pressure 50 psi			
Environment	Time	Temperature	Result
WATER	14 days	100°C	No Leak
OIL	14 days	99°C	No Leak
HYDROCARBON FLUID	14 days	23°C	No Leak
CARBON REMOVAL FLUID	30 minutes	23°C	No Leak
LUBRICATING OIL	48 hours	121°C	No Leak
TURBINE FUEL	48 hours	23°C	No Leak
ETHYLENE GLYCOL	14 days	149°C	No Leak
HYDRAULIC FLUID	14 days	99°C	No Leak
FUEL	48 hours	23°C	No Leak
DIESTER GREASE	48 hours	23°C	No Leak
SULPHURIC ACID (18%)	2 hours	23°C	No Leak
STODDARD SOLVENT	48 hours	23°C	No Leak
ETHYL ALCOHOL	14 days	23°C	No Leak

\* Specified conditions

\*\*Twin Pack

\*\*\*Single Pack

### Benefits

- Proven across millions of sealed parts
- Excellent washing characteristics
- Sealed for life
- Excellent chemical and temperature resistance
- Low shrinkage during polymerisation achieves outstanding void filling capacity

### Approvals

- US Military Specification MIL-I-17563C
- Approved by automotive manufactures and their supply chain worldwide

### Find out more

sales@ultraseal-impregnation.com  
+44 (0)24 7625 8444



# Product Data Sheet

## Ultraseal PC504/66 Sealant

### Chemical Resistance

US MIL-I-17563C Test Conditions, Impregnated US MIL Test Rings, Test Pressure 50 psi

Environment	Time	Temperature	Result
ENGINE OIL	14 days	150°C	No Leak
BRAKE FLUID	14 days	150°C	No Leak
ETHYLENE GLYCOL	14 days	150°C	No Leak
HYDRAULIC FLUID	14 days	150°C	No Leak
UNLEADED PETROL	14 days	25°C	No Leak
WATER	14 days	100°C	No Leak

### Benefits

- Proven across millions of sealed parts
- Excellent washing characteristics
- Sealed for life
- Excellent chemical and temperature resistance
- Low shrinkage during polymerisation achieves outstanding void filling capacity

### Approvals

- US Military Specification MIL-I-17563C
- Approved by automotive manufacturers and their supply chain worldwide

### Find out more

[sales@ultraseal-impregnation.com](mailto:sales@ultraseal-impregnation.com)  
+44 (0)24 7625 8444