



Product Data Sheet

Ultraseal Sinterseal 100

General			
APPEARANCE	Clear pale straw liquid	ODOUR	Mild methacrylate
VISCOSITY 20°C Seta Zahn No 1	32-34 seconds	S.G. 20°C	1.006 - 1.016
FLASH POINT Twin Pack (uncatalysed)	96°C	GEL TIME (0.8% DB42, degassed)	80 - 150 seconds
CONTAMINATION TOLERANCE	Good	WASHABILITY	Good
POT LIFE Under normal operating conditions	Indefinite	SHELF LIFE Under normal storage conditions	12 months** 6 months***
TEMPERATURE RANGE	-76°C / +200°C	US MIL-I-17563C COMPLIANT	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

Chemical Resistance			
Ultraseal International 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

- Fully seals powder metal components against porosity
- Increased machineability extends tool life by up to 100 times
- Total protection against leaching from contaminants such as oil, acids and cleaning agents
- Pressure integrity assured for pressure critical powder metal components

Approvals

- US Military Specification MIL-I-17563C
- Chery, Chrysler, Ford, GM, Hyundai, Kia, Mercedes, Nissan, VW

Find out more

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**Twin Pack

***Single Pack