

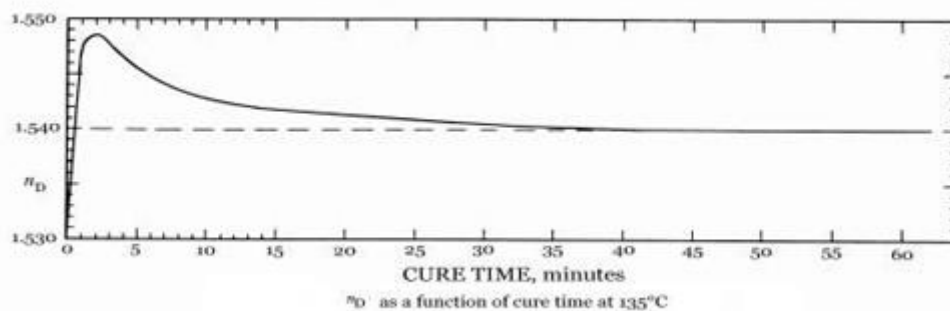
Technical Data Sheet

EMS Petrographic Epoxy

#1292 Series

Typical Properties, to be used as a guideline only

Number of Components:	2
Mixing Ratio (by volume):	Resin: 10 Curing Agent: 1
Optimum Cure Temperature:	135°C
Cure Schedule:	Maximum bond strength is attained in 10 minutes @ 135°C
Pot Life:	5 - 7 days @ 20°C
Shelf Life:	Indefinite when stored at room temperature. Keep containers tightly closed when not in use.
Index of Refraction:	1.540 after ~40 minutes @ 135°C

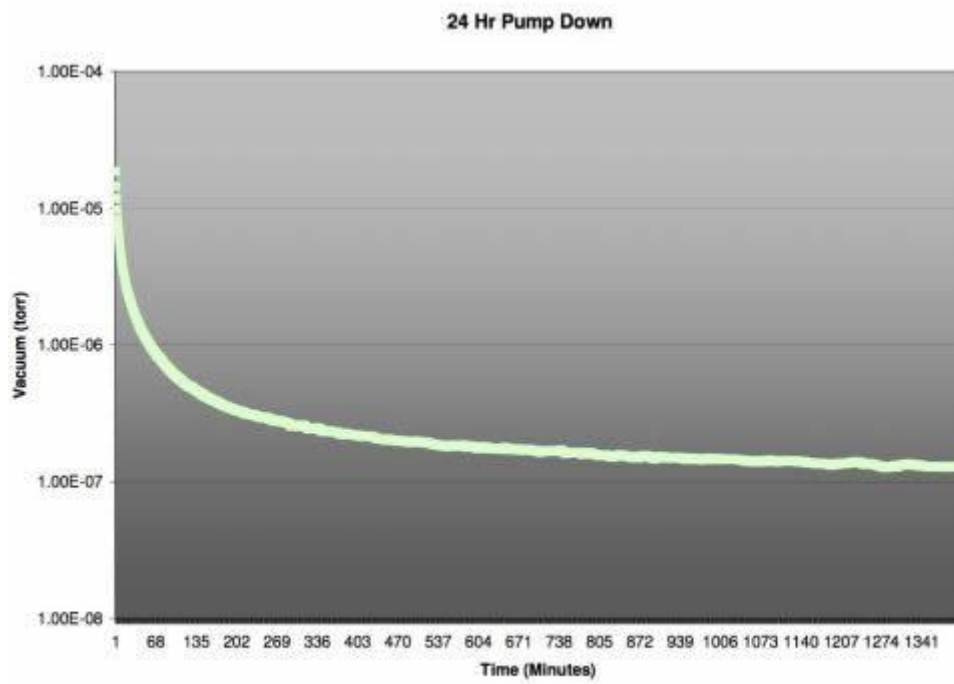


Physical Properties:

Viscosity (mixed):	350-500 cps@20°C (estimate)
Lap Shear Strength:	not measured (relatively high)
Specific Gravity (mixed):	1.18
Specific Gravity (resin):	1.17
Specific Gravity (curing agent):	1.30
Shore D Hardness:	84.5 - 86.0
Coefficient of thermal expansion:	not measured (relatively high)

Note: Mixed EMS Petrographic Epoxy contains significant amounts of Boron and should be avoided if preparing samples for Boron isotope analysis.

Outgassing Profile



Source: The University of Edinburgh

<https://www.ed.ac.uk/geosciences/facilities/ionprobe/technical/epoxyresins/pumptests>