

## RenPaste® Epoxies

### Seamless Modeling Pastes for Large, Accurate Masters

#### RenPaste® epoxies

are paste materials designed to be extruded over an undersized substructure, cured and then CNC-machined to produce a high-accuracy, smooth model surface without detectable seams. Use of

RenPaste® seamless modeling pastes provide for significant time and labor savings compared with conventional wood modeling. The epoxy pastes are particularly well suited for reducing costs on large, precision models used in the aerospace, marine and automotive industries. RenPaste® epoxies are lightweight materials with good dimensional stability and compressive strengths from 1,740 psi to 9,280 psi.



- ✓ **Extrudable, dough-like materials**
- ✓ **CNC-machinable**
- ✓ **Produce dimensionally accurate, seamless surfaces**

# Typical Properties of RenPaste® Epoxy Seamless Modeling Pastes and Patty

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Enriching lives through innovation

	<b>Mix Ratio, By wt.</b>	<b>Gel Time, min.</b>	<b>Density lb./ft.<sup>3</sup></b>	<b>Hardness, Shore D</b>	<b>Compressive Strength, psi</b>	<b>Flexural Strength, psi</b>	<b>Tg, E', By DMA, °F(°C)</b>	<b>Coefficient of Thermal Expansion,* in./in./°F</b>	<b>Color</b>
RenPaste® 4503R/ Ren® 4503H	100:90	60-90 (1.5 in. thick)	47.3	60	2,100	2,200	159 (71)	32 x 10 <sup>-6</sup>	Brown
RenPaste® 4569-1R/ Ren® 4569-1H	100:100	240-320 (1.2 in. thick)	100	79-80	8,200	5,650	108** (42)	30 x 10 <sup>-6</sup>	Dk. Gray
RenPaste® 4601-1R/ Ren® 4601-1H	100:100	40 (1.2 in. thick)	32	40	1,740	1,450	–	–	Lt. Brown
RenPaste® 4618-1R/ Ren® 4618-1H	100:50	15 (0.8 in. thick)	–	76	9,280	5,220	–	30 x 10 <sup>-6</sup>	Lt. Gray
RP 4040 Patty	–	–	35	88	20,500	8,140	324 (162)	9 x 10 <sup>-6</sup>	Off-white

Tests conducted at 77°F (25°C).

RenPaste® epoxy systems are comprised of RenPaste® epoxy resin and Ren® hardener.

\* At -22°F to +86°F

\*\* By TMA

For additional information on each product including proper storage and handling, please refer to the respective Huntsman Materials Safety Data Sheets and Technical Data Sheets.

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