

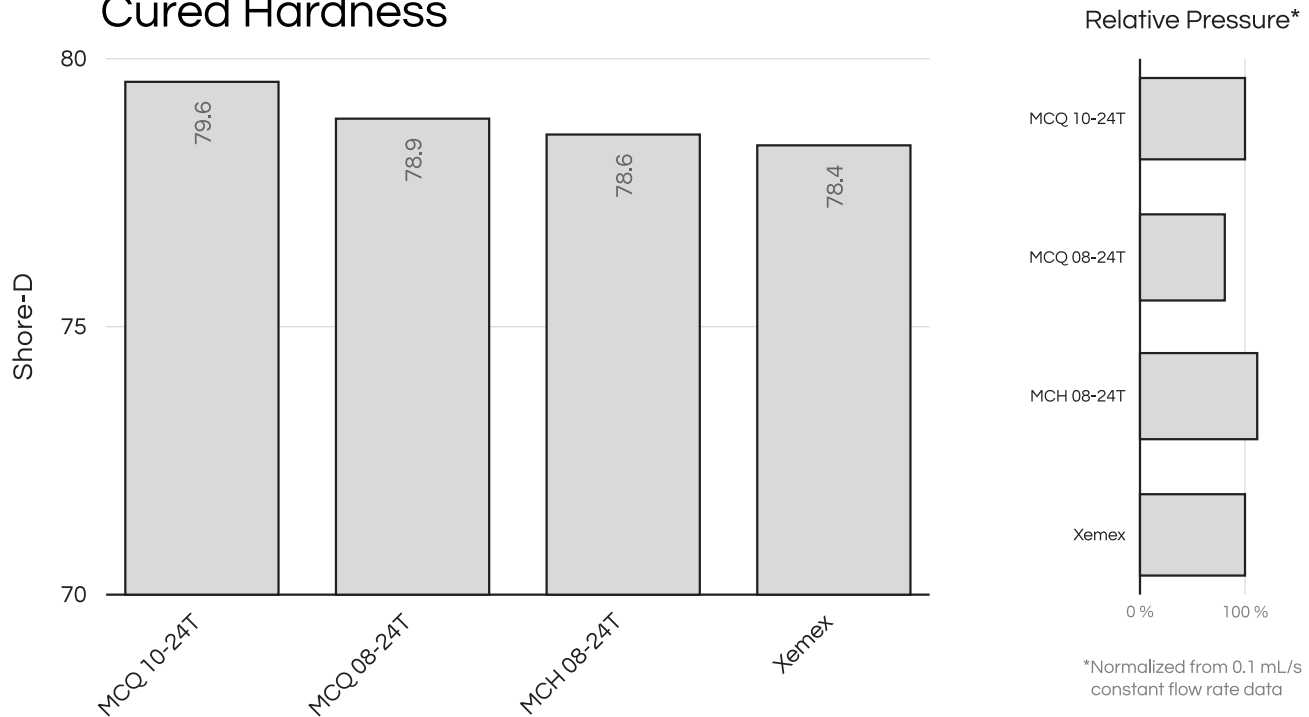


**Purpose** To compare the mixing performance of the Xemex® Static Mixer with commercially available mixers.

**Experimental** The 2-part formulation was dispensed using Re Mixer’s automated cartridge dispenser, having preset flow rate and purge routines. After curing at room temperature for 48 hours, hardness was determined through a single-blind collection using Rex Gauge’s RX-DD Series Durometer, and in accordance with ASTM D2240.

# ResinLab® EP11HT-Gray

## Cured Hardness



**Mixing Performance** The hardness data suggests Xemex provides similar mixing performance for ResinLab® EP11HT. With a retained volume of only 2.5 mL, Xemex closely matches the mix quality of other mixers with 24 elements, which have retained volumes in the order of 5 to 10 mL. These results suggest that Xemex is a candidate to replace both helical and square mixers in applications using EP11HT.

**Back Pressure** From this data, one should expect back pressures with Xemex to be comparable to MCQ 08-32T or MCH 08-24T and lower than MCH 06-24T at equivalent flow rates.

Formulation	Type	Mix Ratio**	Mixed** (cP)	Part A**	Part B**	Pot Life** (min)	Keywords
ResinLab® EP11HT-Gray	Epoxy	1:1	380,000	442,000	343,000	180	Thixotropic

Laboratory Technician	Cured Time	Laboratory	Report Prepared by
Lukas Duddleston, MS	48 hours	23±2 °C   35±5 % RH	Lukas Duddleston, MS

\*\*As reported in ResinLab’s Technical Data Sheet

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