

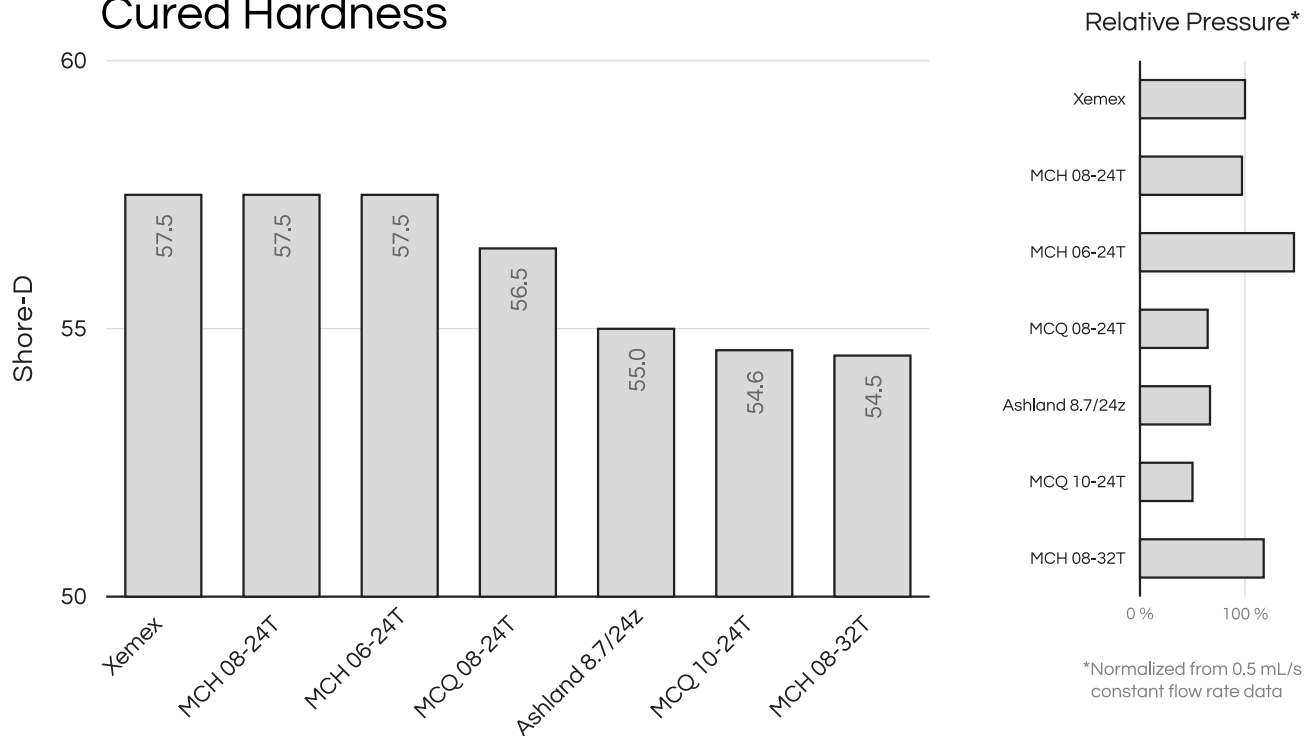


Purpose To compare the mixing performance of the Xemex® Static Mixer with commercially available mixers.

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 24 hours, hardness was determined through a single-blind collection using Rex Gauge’s RX-DD Series Durometer, and in accordance with ASTM D2240.

Ashland™ Pliogrip™ 5770P

Cured Hardness



Mixing Performance The hardness data suggests that Xemex yielded good mixing performance for Ashland™ Pliogrip™ 5770P. With a retained volume of only 2.5 mL, Xemex outperformed mixers with 24 and 32 elements, which have retained volumes in the order of 5 to 15 mL. These results suggest that Xemex is a strong candidate to replace the current mixer in applications using Pliogrip 5770P.

Back Pressure From this data, one should expect back pressures with Xemex to be comparable to MCH 08-24T, slightly higher than with the Ashland OEM mixer, but lower than the MCH 08-32T and MCH 06-24T at equivalent flow rates.

Formulation	Type	Mix Ratio**	Mixed** (cP)	Part A**	Part B**	Open Time** (min)	Keywords
Ashland™ Pliogrip™ 5570P	Epoxy	2:1	—	Viscous Paste	Viscous Paste	90	Filled - Glass Beads
Laboratory Technician		Cured Time		Laboratory		Report Prepared by	
Lukas Duddleston, MS		24 hours		23±2 °C 35±5 % RH		Lukas Duddleston, MS	

**As reported in Ashland’s Technical Data Sheet

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