

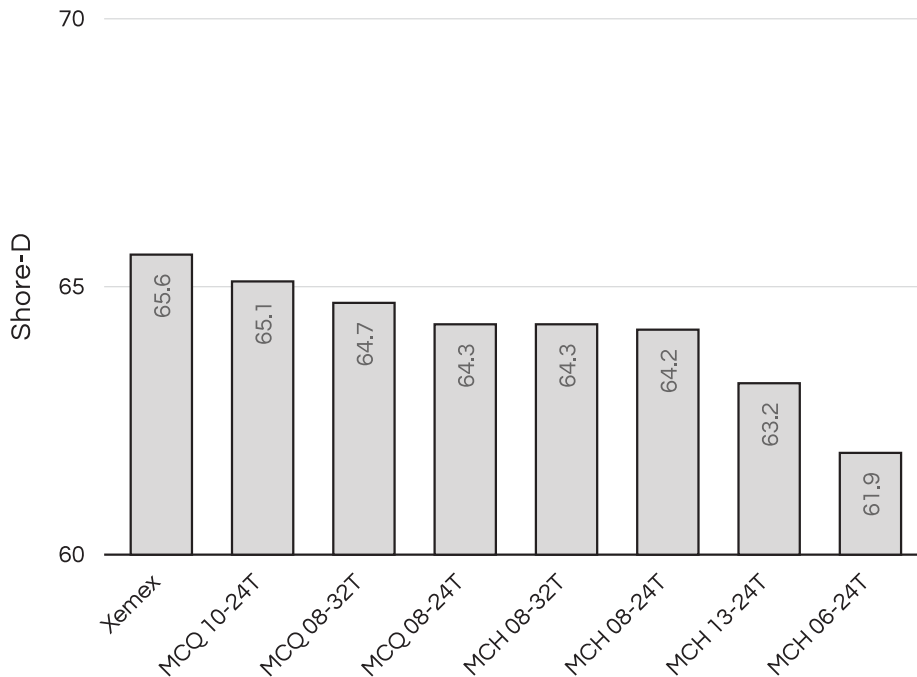


Purpose To compare the mixing performance of the Xemex® Static Mixer with commercially available mixers.

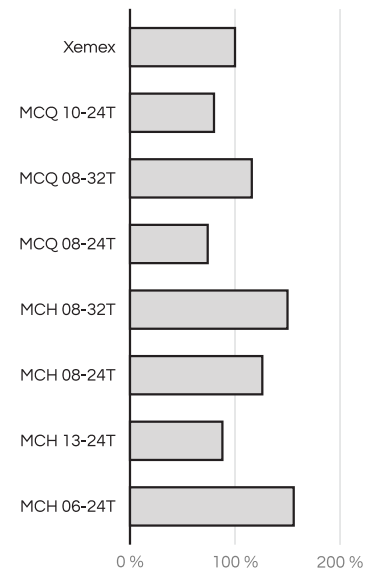
Experimental The 2-part formulation was dispensed using Re Mixer’s automated cartridge dispenser, having preset flow rate and purge routines. After curing at room temperature for 36 hours, hardness was determined through a single-blind collection using Rex Gauge’s RX-DD Series Durometer, and in accordance with ASTM D2240.

Parker LORD® 7545A/C

Cured Hardness



Relative Pressure*



*Normalized from 1.0 mL/s constant flow rate data

Mixing Performance The hardness data suggests that Xemex yielded good mixing performance for Parker LORD® 7545A/C. 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 30 mL. These results suggest that Xemex is a candidate to replace both helical and square mixers in applications using 7545A/C.

Back Pressure From this data, one should expect back pressures with Xemex to be comparable to MCH 08-24T or MCH 13-24T but lower than MCH 08-24T or MCH 06-24T at equivalent flow rates.

Formulation	Type	Mix Ratio**	Mixed** (cP)	Part A**	Part B**	Working Time** (min)	Keywords
Parker LORD® 7545A/C	Urethane	1:1	—	25,000 to 70,000	230,000 to 650,000	6 to 8	—
Laboratory Technician		Cured Time		Laboratory		Report Prepared by	
Lukas Duddleston, MS		36 hours		23±2 °C 35±5 % RH		Lukas Duddleston, MS	

**As reported in Parker LORD’s Technical Data Sheet

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