

Ultra LITE Series Update

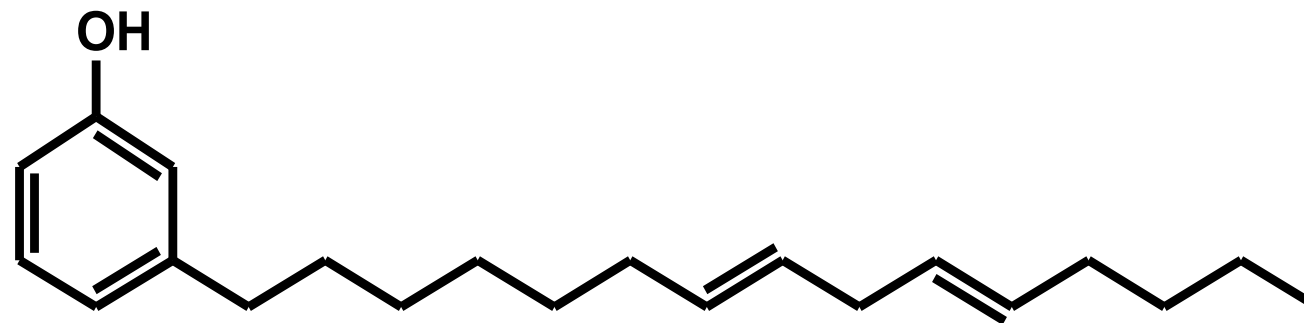
Cardolite Technical Service
November, 2014



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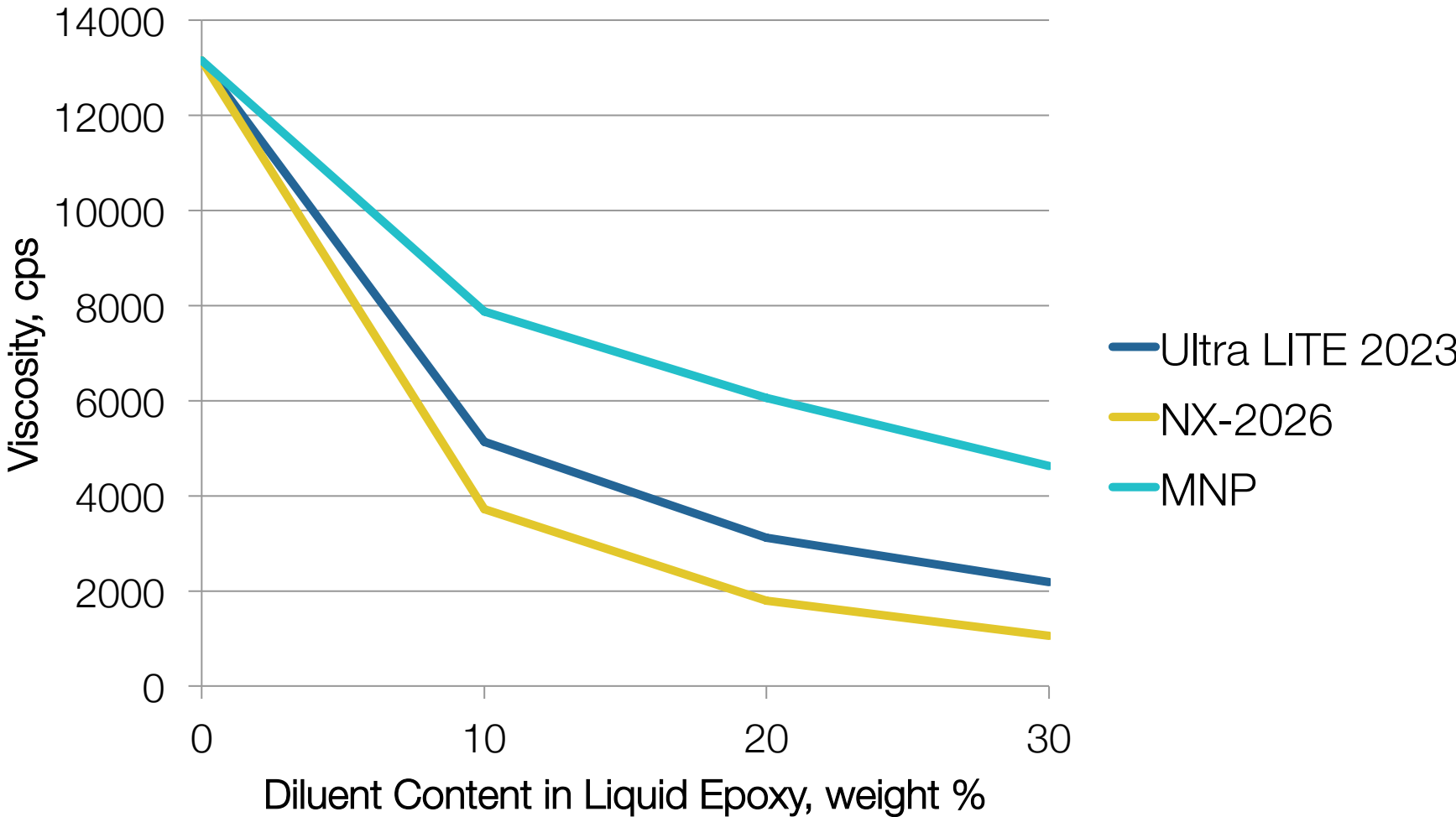
Typical Properties

Property	UL 2023	NX-2026
Initial Color (Gardner)	≤ 1	≤ 1
Wet Color Stability	good	initial results are good
Viscosity @ 25°C (cPs)	40 - 100	≤ 60
pH	2.2 - 3.5	~ 7



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Dilution Power

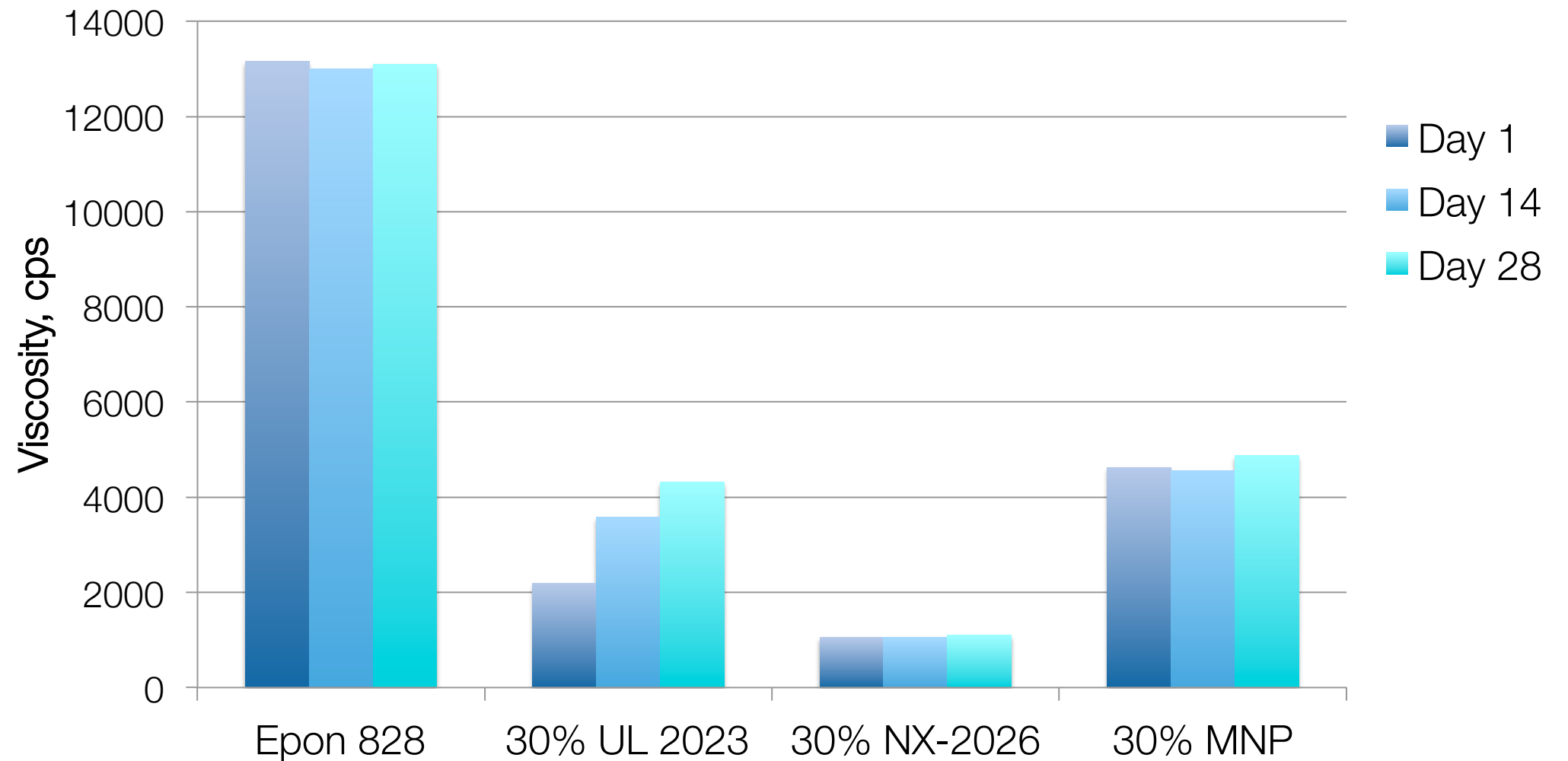


Both cardanol grades show much better dilution power than Decoupage MNP.



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Viscosity Advancement with D.E.R. 331

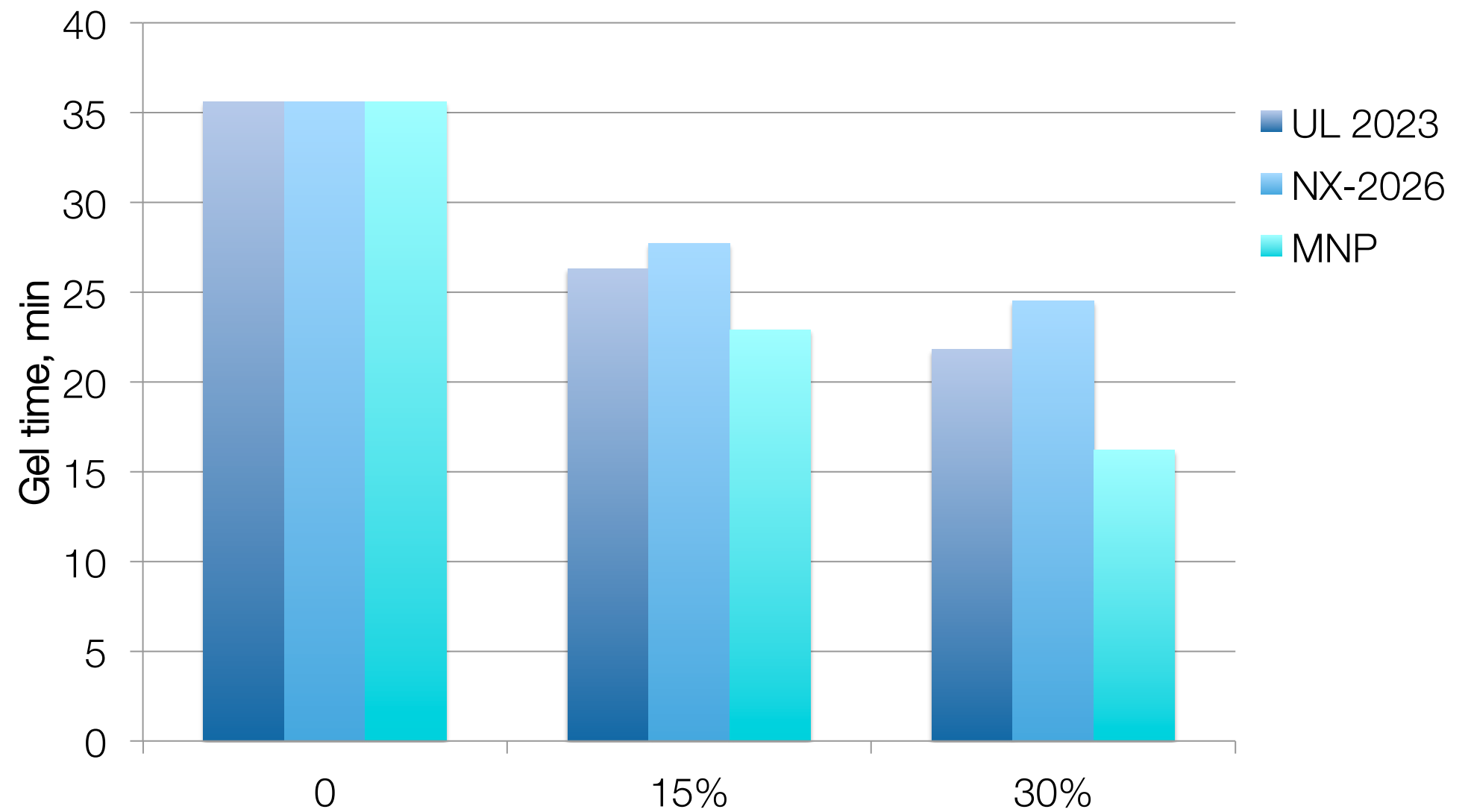


NX-2026 shows the best stability with Epon 828.
Better choice than UL 2023 for part A.



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Acceleration

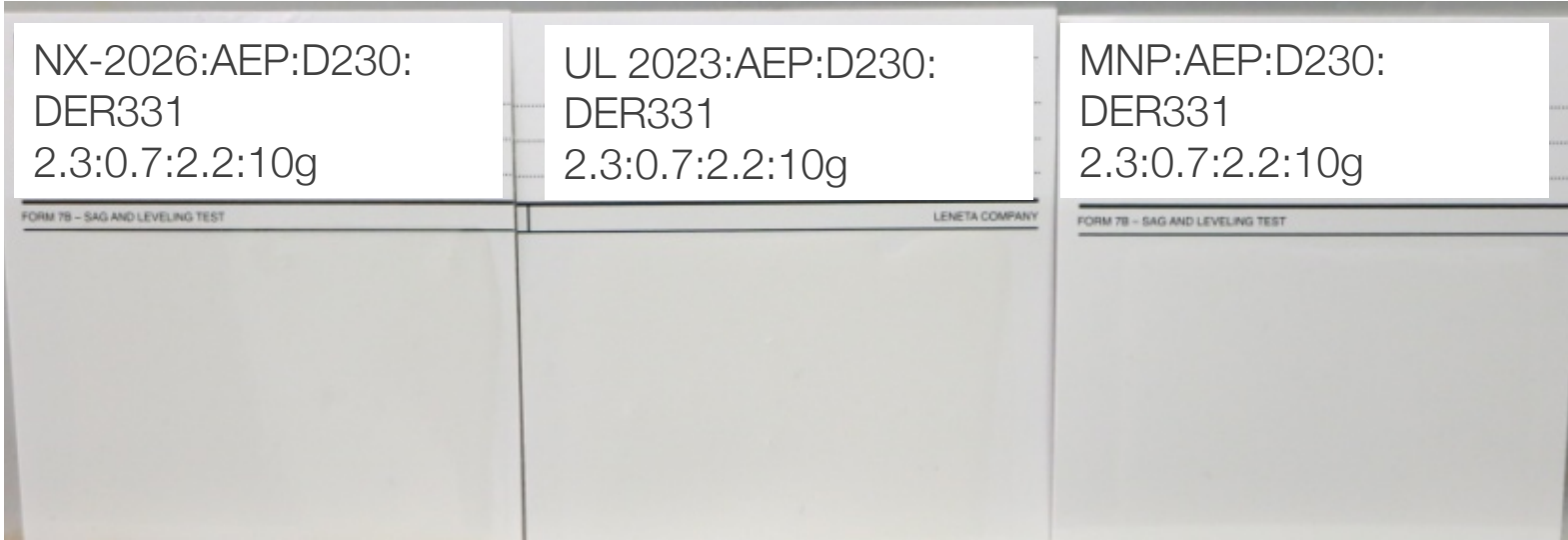


MNP shows fastest acceleration based on gel time, but both cardanol grades still provide good acceleration.



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Blends with AEP/D230



No pinking observed for these samples.

Blends with AEP/D230

	Wt. /g Diluent	Wt. of AEP /g	Wt. of D-230 /g	Wt. of DER 331 /g	Temp. of mixture /°F
NX-2026	6.6	2.2	/	10	103
UL 2023	6.6	2.2	/	10	105
MNP	6.6	2.2	/	10	>207
NX-2026	2.3	0.7	2.2	10	77.6
UL 2023	2.3	0.7	2.2	10	77.6
MNP	2.3	0.7	2.2	10	79.0

MNP systems develop more heat during mixing.



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