

Rheometer Curing Properties Comparison of ARLON[®] 27 and 57 Compounds

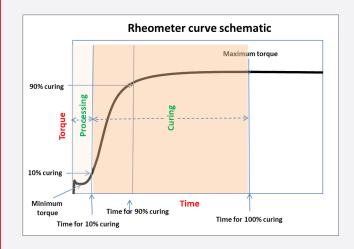
Properties Pro	oduct						
	Curing Temperature °F						
		212º	239º	250°	280°	302°	302°
Minimum torque	27	1.7	1.9	1.9	2.4	2.8	3.5
(lb-in)	57	1.0	1.0	1.0	1.1	1.3	1.7
Maximum torque	27	18.5	23.6	23.8	25.1	25.5	25.9
(lb-in)	57	7.5	11.6	12.2	12.8	13.0	13.7
Time for curing,	27	0.6	0.3	0.2	0.1	0.1	0.1
TC10 (minute)	57	1.4	0.5	0.4	0.3	0.2	0.1
Time for 90% curing,	27	3.2	1.0	0.7	0.4	0.3	0.2
TC90 (minute)	57	11.8	8.7	5.8	1.4	0.6	0.3
Time for 100% curing	27	12.1	3.3	2.0	0.8	0.5	0.4
(minute)	57	15.0	15.0	15.0	14.2	1.9	0.5

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Test instrument: MDR 3000 (Montech)

Test method: Constant curing temperature and curing time=15 minutes

Disclaimer: The curing time provided herein is a general guideline only. During this rheometer test, rubber reaches the test temperature immediately. In real life applications it will take longer for the rubber to reach target temperature. Actual curing time needs to be evaluated on a case-by- case basis.





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