

TABLE III - POLYMER MODIFIED ASPHALT EMULSION				
Tests	CRS-2P		EA-90P	
	Min	Max	Min	Max
Viscosity, SSF @ 50 C	100	400	100	400
Storage Stability Test (2), 24 hour, percent	----	1	----	1
Classification Test	Pass	----	----	----
Particle Charge Test	Positive	----	----	----
Sieve Test, 850 $\mu$ m mesh, percent	----	0.3	----	0.3
Demulsibility, 0.02 N CzCl <sub>2</sub> , percent	----	----	30	----
Distillation:				
Oil distillate by volume of emulsion, percent	----	3	----	3
Residue from distillation (3), percent	65	----	65	----
Tests on Residue from Distillation:				
Penetration, 25 C, 100 g, 5 sec	100	200	100	200
Ductility, 4 C, 5 cm/minute, cm	30	----	25	----
Ash (4), percent	----	1	----	1
Float Test at 60 C, sec	----	----	1200	----
Elastic Recovery (5), percent	58	----	58	----

- (1) All tests are performed in accordance with AASHTO T 59 except as noted.
- (2) In addition to AASHTO T 59, upon examination of the test cylinder and after standing undisturbed for 24 hours, the surface shall show no appreciable white, milky colored substance and shall be a homogeneous brown color throughout.
- (3) AASHTO T 59 modified to maintain a 204  $\pm$  5 C maximum temperature for 15 minutes.
- (4) AASHTO T 111, Ash in Bituminous Material.
- (5) Condition the ductilometer and samples to be treated at 10 C. Prepare the brass plate, mold and briquet specimen in accordance with AASHTO T 51. Keep the specimen at the specified test temperature of 10 C for 85 - 95 minutes. Immediately after conditioning, place the specimen in the ductilometer and proceed to elongate the sample to 20 cm at a rate of pull of 5 cm/min. After the 20 cm elongation has been reached, stop the ductilometer and hold the sample in its elongated position for 5 minutes. After 5 minutes, clip the sample approximately in half by means of scissors or other suitable cutting devices. Let the sample remain in the ductilometer in an undisturbed condition for one hour. At the end of this time period, retract the half sample specimen until the two broken ends touch. At this point note the elongation (x) in cm. Calculate the percent recovery by the following formula:

$$\% \text{ Recovery} = \frac{20 - X}{20} \times 100$$