

CQS-1hP

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEST	MIN	MAX
Saybolt Viscosity @ 25 C	20 SFS	100 SFS
Rotation Paddle Vis @ 25 C	40 mPa-s	200 mPa-s
Storage Stability, 24 hr	---	---
Particle Charge	POSITIVE	
Sieve Test		0.10%
% Residue	62%	
Penetration	40 dmm	90 dmm
Ductility	---	---
Elastic Recovery	50% @ 10 C	
Absolute Viscosity @ 60 C	---	---
Softening Point	57 C	
Solubility in TCE	97.5% min (allow in lieu of Ash)	
Ash Content		1%

Polymer modified emulsified asphalts shall be according to AASHTO M 316, except as follows.

- (1) The cement mixing test will be waived when the polymer modified emulsion is being used as a tack coat.
- (2) Upon examination of the storage stability test cylinder after standing undisturbed for 24 hours, the surface shall show minimal to no white, milky colored substance and shall be a homogenous brown color throughout.
- (3) The distillation for all polymer modified emulsions shall be performed according to AASHTO T 59, except the temperature shall be 374 ± 9 °F (190 ± 5 °C) to be held for a period of 15 minutes and measured using an ASTM 16F (16C) thermometer.
- (4) The specified temperature for the Elastic Recovery test for all polymer modified emulsions shall be 50.0 ± 1.0 °F (10.0 ± 0.5 °C).
- (5) The Solubility in Trichloroethylene test according to AASHTO T 44 may be run in lieu of Ash Content and shall meet a minimum of 97.5 percent.