

HFRS-2P

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEST	MIN	MAX
Saybolt Viscosity @ 50 C	75 SFS	400 SFS
Rotation Paddle Vis @ 50 C	150 mPa-s	800 mPa-s
Storage Stability, 24 hr		1%
Demulsibility, 35 mm CaCl ₂	50%	
Sieve Test		0.10%
% Residue	65%	
% Oil in Distillate		3%
Penetration	100 dmm	200 dmm
Float Test	1200 sec	
Ductility	---	---
Elastic Recovery	60% @ 10 C	
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.