

## Missouri Department of Transportation Specifications

**1015.20.6.2 Polymer Modified Emulsion Membrane.** The anionic or cationic emulsion shall be polymer modified and shall be in accordance with the following:

<b>Cationic Polymer Modified Emulsion Membrane (CPEM-1)</b>			
Test on Emulsion	Method	Min.	Max.
Viscosity, Saybolt Furol @122°F, s	AASHTO T 59	25	125
Storage Stability Test <sup>a</sup> , 24 h, %	AASHTO T 59		1
Sieve Test <sup>b</sup> , %	AASHTO T 59		0.3
Residue from distillation <sup>c</sup> , %	AASHTO T 59	63	
Oil Distillate by Distillation, %	AASHTO T 59		2
Demulsibility, % 35 ml, 0.8% dioctyl sodium sulfosuccinate	AASHTO T 59	60	
<b>Tests on Residue from Distillation:</b>			
Penetration	AASHTO T 49	90	150
Elastic Recovery	AASHTO T 301	60	

<sup>a</sup>After standing undisturbed for 24 hours, the surface shall show no white, milky colored substance, but shall be a smooth homogeneous color throughout.

<sup>b</sup>The sieve test will be waived if successful application of the material has been achieved in the field

<sup>c</sup>AASHTO T 59 shall be modified to include a 400 F ± 10 F maximum temperature to be held for a period of 15 minutes.