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RS-LTP

SPECIFICATIONS FOR POLYMER MODIFIED ANIONIC EMULSIONS FOR LOW TEMPERATURE SEALCOAT

This emulsion is intended for use in placing sealcoat or surface treatments when the air and roadway temperatures are 40° and rising. The emulsion must break and cure in a reasonable amount of time when aggregate is to be applied regardless of sunlight or humidity condition.

The asphalt shall be polymer modified prior to emulsification. The emulsion shall be smooth and homogeneous and conform to the following requirements:

<u>TESTS ON EMULSION</u>	<u>MIN.</u>	<u>MAX.</u>
Viscosity @ 122°F, SSF	50	
Storage Stability Test, 1 day		1
Demulsibility, 0.02 N CaCl, 35 ml, %	60	
Sieve Test, %		0.10
Breaking Index @ 77°F		80 ⁽¹⁾
Residue by 400°F Distillation, %	65 ⁽²⁾	

TESTS ON RESIDUE FROM DISTILLATION

Penetration @ 77°F	150	300
Elastic Recovery, 50°F	45 ⁽³⁾	
20 cm elongation, standard mold		
5 minute relaxation, %		
Force ratio (f^2/f^1), 39.2° F, 5 cm/min.,	0.15 ⁽⁴⁾	
30 cm elongation		

- (1) Breaking index-see attached procedure
- (2) The standard Distillation procedure shall be modified as follows: The temperature on the lower thermometer shall be brought slowly to 400° plus or minus 10° F and maintained at this point for 20 minutes. Complete the total distillation in 60 plus or minus/ 5 minutes from the first application of heat.
- (3) Elastic Recovery-See attached procedure.
- (4) Force Ratio-See attached procedure

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