

HFRS-P2/HFE-100S

SPECIFICATIONS FOR POLYMER MODIFIED ANIONIC EMULSIONS

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

| PROPERTIES | MIN | MAX |
|--|------------|------------|
| Viscosity SFS @ 50°C | 50 | |
| Storage Stability, 1 day | | 1.0 |
| Demulsibility, 0.02 N CaCL ₂ , 35 ml, % | 40 | |
| Sieve % | | 0.10 |
| Residue by 204°C Distillation, % | 65** | |
| Oil in distillate by volume, % | | 2.0 |
| TESTS ON RESIDUE FROM DISTILLATION | | |
| Penetration @ 25°C, dmm | 90 | 200 |
| Float @ 60° C, sec | 1200 | |
| Ductility @ 25° C, cm | 75 | |
| Elastic Recovery, 10° C 20 cm elongation standard mold, 5 minute relaxation, % | 58 | |
| Solubility in Trichloroethylene, % | 97.5 | |
| Force Ductility | 0.3 | |

** The Standard Distillation procedure shall be modified as follows: The temperature on the lower thermometer shall be brought slowly to 204±5°Celsius and maintained at this point for 20 minutes. Complete the total distillation in 60 plus or minus 15 minutes from the first application of heat.