

## TECHNICAL DATA SHEET – HFE-100P

### DESCRIPTION

HFE-100P is a polymer modified, high floating asphalt emulsion, used primarily as a binder for chip seals. Polymer modified high floating emulsions typically have earlier chip retention than conventional emulsions. The polymer gives elasticity, reduced temperature susceptibility and durability to the finished chip seal. The polymer also causes the chip seal to be more durable under higher volume traffic.

### PHYSICAL PROPERTIES

- Boiling Point (°F): 212
- Specific Gravity (H<sub>2</sub>O = 1): 1.01
- Solubility in Water: Dispersible
- Appearance and Odor: Brown liquid with Mild Petroleum Odor, Cures Black

PARAMETER	TEST METHOD	MIN	MAX
<b>Tests on Emulsion</b>			
Saybolt Furol Viscosity, SFS @ 50 °C	AASHTO T 72	50	--
Sieve Test	AASHTO T 59	--	0.1
Residue by Distillation	AASHTO T 59	65	--
Oil Distillate, %	AASHTO T 59	--	3.0
Storage Stability, 1 day, %	AASHTO T 59	--	1.0
Demulsibility, %	AASHTO T 59	30	--
<b>Tests on Residue</b>			
Penetration @ 25 °C, dmm	AASHTO T 49	90	150
Ductility @ 25 °C	AASHTO T 51	40	--
Elastic Recovery @ 4 °C	AASHTO T 301	55	--
Float Test @ 140 °F	AASHTO T 44	1200	--

Storage		Application Temps	
Grade	Recommended Max Storage Temp	Recommended Range	Max Allowable
HFE-100P	180°F	140-180°F	180°F

**Transportation:** USDOT Not Regulated

### LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. As with any emulsion, do not allow the material to freeze or boil because of aggressive heating. HFE-100P IS NOT COMPATIBLE WITH CATIONIC EMULSIONS (CRS, CQS, CSS, etc.). All equipment should be thoroughly cleaned if cationic emulsion was previously present.

### CAUTION

For industrial use only. Refer to SDS for further information.

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