

EMULSIONS

HF-100S

Product Data Sheet

Typical Analysis and Specifications



Pavement
Maintenance

Last Revised: January 2016

Supply Point: Acheson

Test	Units	ASTM	Specification*		Typical Analyses
			Min.	Max.	
Density at 25°C	Kg/L	D6937	--	--	1.008
Viscosity at 50°C (SF)	S	D7496	30	150	95.0
Residue by distillation	% by mass	D6997	62	--	64.0
Oil portion of distillate	% by vol.	D6997	1	4	2.0
Demulsibility, 35 ml of 1.11% solution of CaCl ₂	% by mass	D6935	60	--	95.0
Sieve Test	% by mass	D6933	--	0.10	0.01
Coating Test		D244	--	--	Pass
24 hr. Storage Stability test	% by mass	D6930	--	1.5	0.10
Particle charge test		D7402	--	--	Negative
Tests on Residue					
Penetration at 25°C ,100g	mm/10	D5	90	150	145
Apparent Viscosity at 60°C	Pa-s	D113	**	--	400
Float Test at 60°C	Seconds	D139	1200	--	1200+
Solubility in TCE	%	D2042	97.50	--	99.99

* Local specifications may vary

** Refer to section 5.7 of Alberta Transportation's Standard specifications for Highway Construction

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