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## Cyclogen® Recycling Agents

### Specifications:

Property	Function and Purpose	ASTM Test Method	L <sup>1</sup>	M <sup>1</sup>	H <sup>1</sup>
Viscosity @ 60°C, cSt	Asphalt viscosity adjustment in recycled mix.	D-2170	200-500	1,000-4,000	5,000-10,000
Flash Point, COC, °C	Handling precaution.	D-92	204 min.	232 min.	232 min.
Volatility,	Avoidance of air pollution and hardening by evaporation.	D-1160			
IBP, °C		10mm	149 min.	163 min.	177 min.
2%v, °C			191 min.	204 min.	218 min.
5%v, °C			210 min.	221 min.	227 min.
RTF-C Weight Change, %w		D-2872	4.0 max.	2.0 max.	2.0 max.
Compatibility, PC/S	Avoidance of syneresis.	D-2006-70	0.5 min.	0.5 min.	0.5 min.
Saturates, %w	Compatibility with aged asphalt.	D-2007	28 max.	28 max.	28 max.
Asphaltenes, %w	Compatibility with aged asphalt.	D-2006-70	1.5 max.	7.0 max.	10.0 max.
Chemical Composition (PC+A <sub>1</sub> )/(S+A <sub>2</sub> )	Durability of asphalt in recycled mix.	D-2006-70	0.4-0.8	0.6-1.0	0.8-1.2
RTF-C Ratio <sup>2</sup>		D-2872	2.5 max.	2.5 max.	2.5 max.
Specific Gravity <sup>3</sup>	Calculations.	D-70	0.98-1.02	0.98-1.02	0.98-1.02

<sup>1</sup> The following suitable pumping temperatures: L-60°C (140°F), M-88°C (190°F), H-93°C (200°F).

<sup>2</sup> Viscosity, RTF-C residue @ 60°C cSt/ viscosity, original materials @ 60°C cSt.

<sup>3</sup> For gal/ton conversion of L and M, use 242 gal/ton and for gal/ton conversion of H, use 240 gal/ton. Note: Data presented are typical. Slight variation may occur from lot to lot.

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