



TRICOR REFINING, LLC

Producers of GOLDEN BEAR PRESERVATION PRODUCTS

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Cyclogen® Recycling Agents

Specifications:

Property	Function and Purpose	ASTM Test Method	L ¹	M ¹	H ¹
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	D-1160			
IBP, °C	pollution and harden-	10mm	149 min.	163 min.	177 min.
2%v, °C	ing by evaporation.		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 ₁)/(S+A ₂)	Durability of asphalt in recycled mix.	D-2006-70	0.4-0.8	0.6-1.0	0.8-1.2
RTF-C Ratio ²		D-2872	2.5 max.	2.5 max.	2.5 max.
Specific Gravity ³	Calculations.	D-70	0.98-1.02	0.98-1.02	0.98-1.02

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

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

³ 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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