



Prism ViaTec™ is a family of performance oriented polymers used to modify asphalt products. ViaTec, a sustainable polymer created from recycled tire feedstock, is intended to be used as a stand-alone additive or incorporated with other polymers for additional benefit.

ViaTec Features:

- ✓ Modifies asphalt for a broad range of applications including:
 - Asphalt Roofing
 - Hot Mix Asphalt
 - Asphalt Emulsions
 - Crack Seal
- ✓ Functional in many different asphalt bases – (Tested with Table I and Table II asphalts)
- ✓ Widens PG Grades by improving both upper and lower ends
- ✓ Does not exhibit settlement issues



ViaTec Benefits:

- ✓ Manufactured in US
- ✓ Not tied to crude oil markets = less price fluctuations
- ✓ Sustainable - manufactured from recycled materials
- ✓ Lower in greenhouse gas emissions than virgin polymers
- ✓ Add at the plant or in the field
- ✓ Blends easily and produces high solubility (~99 %) after 30-45 minutes using low shear @ 275-325F



ViaTec testing results @ 10% addition rate in a standard Table II asphalt:

Original Binder Additive Blend	Valero 64-22		Valero 64-22		Valero 64-22		Valero 64-22	
	ViaTec 500		ViaTec 520		ViaTec 2000		ViaTec 2020	
	90/10		90/10		90/10		90/10	
Final PG Grade	82-28		76-28		88-28		82-28	
True Grade	84.2-28.4		81.3-28.8		88.8-28.6		85.8-28.0	
Softening Point, °F (°C)	146 (63.3)		142 (61.1)		149 (65.0)		148 (64.4)	
Ash Content, w%	0.071		0.096		0.101		0.085	
Rotational Viscosity, 135°C Pa*s	1.933		1.917		2.112		3.398	
Solubility in Trichloroethylene, %	99.46		98.99		98.9		99.06	
Original Binder DSR, °C	82	88	76	82	88	94	82	88
Critical Temperature, °C	85.2		82		89.1		87.5	
RTFO DSR, °C	82	88	76	82	88	94	82	88
Critical Temperature, °C	84.2		81.3		88.8		85.8	
Elastic Recovery, 25°C, %	52.5		65.0		55.0		67.5	
PAV-Aged, °C	110		110		110		110	
Dynamic Shear Rheometer, °C	19	16	19	16	22	19	19	16
Critical Temperature, °C	18.7		18.8		19.5		16.6	
Bending Beam Rheometer, °C	-18	-24	-18	-24	-12	-18	-18	-24
Stiffness, MPa	183	338	199	358	177	322	196	376
Critical Temperature, °C	-22.8		-22.2		-23.3		-21.9	
Bending Beam Rheometer, °C	-18	-24	-18	-24	-12	-18	-18	-24
m-value	0.304	0.248	0.306	0.259	0.306	0.246	0.3	0.256
Critical Temperature, °C	-18.4		-18.8		-18.6		-18	
ΔTc, 20 hr	-4.4		-3.4		-4.7		-3.9	
Multiple Stress Creep Recovery, °C	64	Curve Req	64	Curve Req	64	Curve Req	64	Curve Req
Recovery at 3.2 kPa, %	37.03	43.50	43.65	40.99	39.86	46.41	51.47	48.49
Jnr at 3.2 kPa, 1/kPa	0.225		0.282		0.176		0.149	
	Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom
48 hr Settlement Test, Soft Pt °F (°C)	144 (62.2)	148 (64.4)	141 (60.6)	144 (62.2)	139 (59.4)	143 (61.7)	146 (63.3)	149 (65.0)

Packaging and Availability:

- ✓ 2000# Supersacks
- ✓ FOB Sodus, NY

For more information email: sales@prismww.com or call:

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Patent Pending

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